

**MONTANA**

**ENERGY**

**RESOURCE**

**GUIDE**

A directory of energy education resources

**1982**

**MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION**

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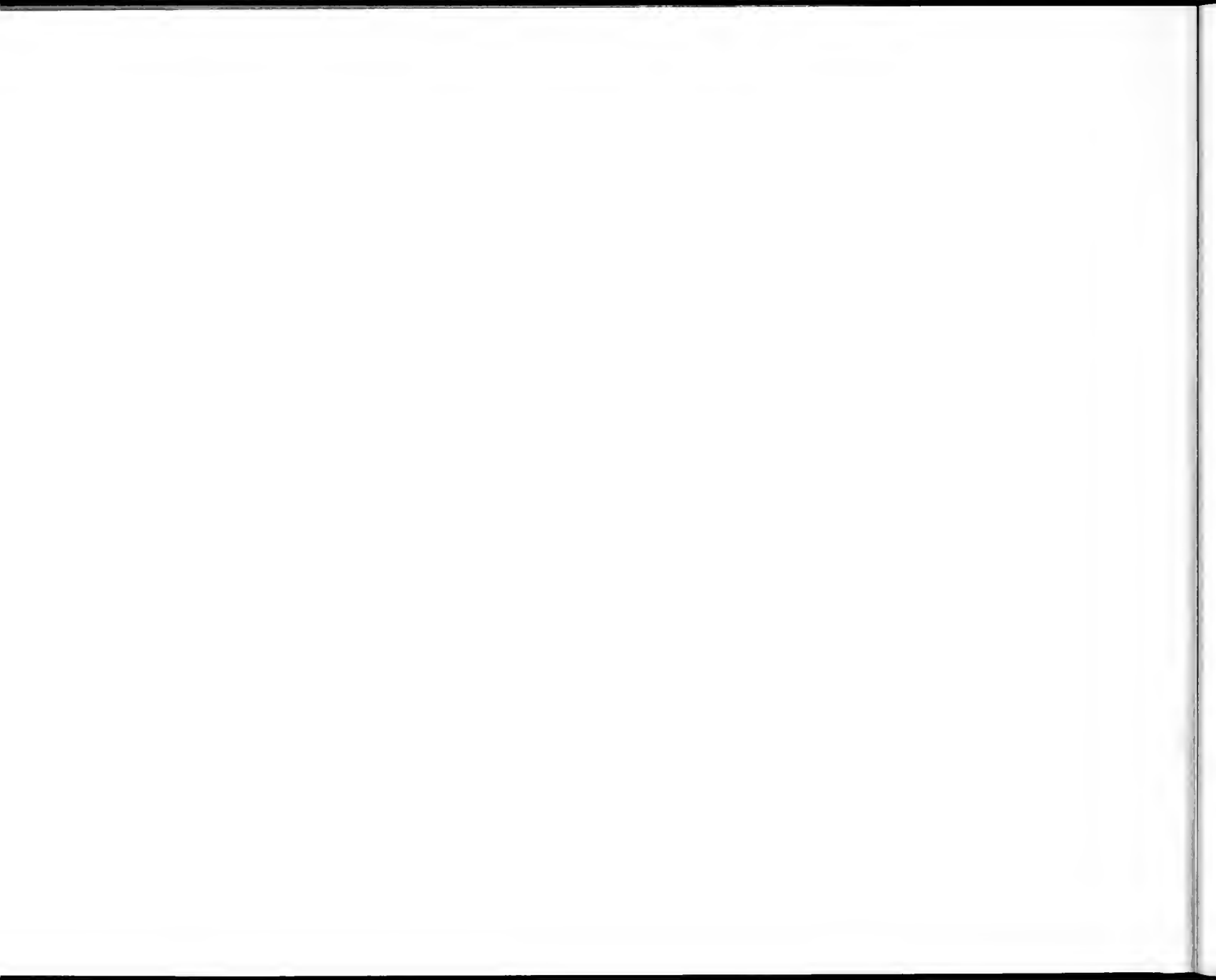
# **MONTANA ENERGY RESOURCE GUIDE**

A directory of energy education resources

prepared by  
Louise Moore

1982

Energy Division  
Montana Department of Natural Resources and Conservation  
32 South Ewing  
Helena, Montana  
59620



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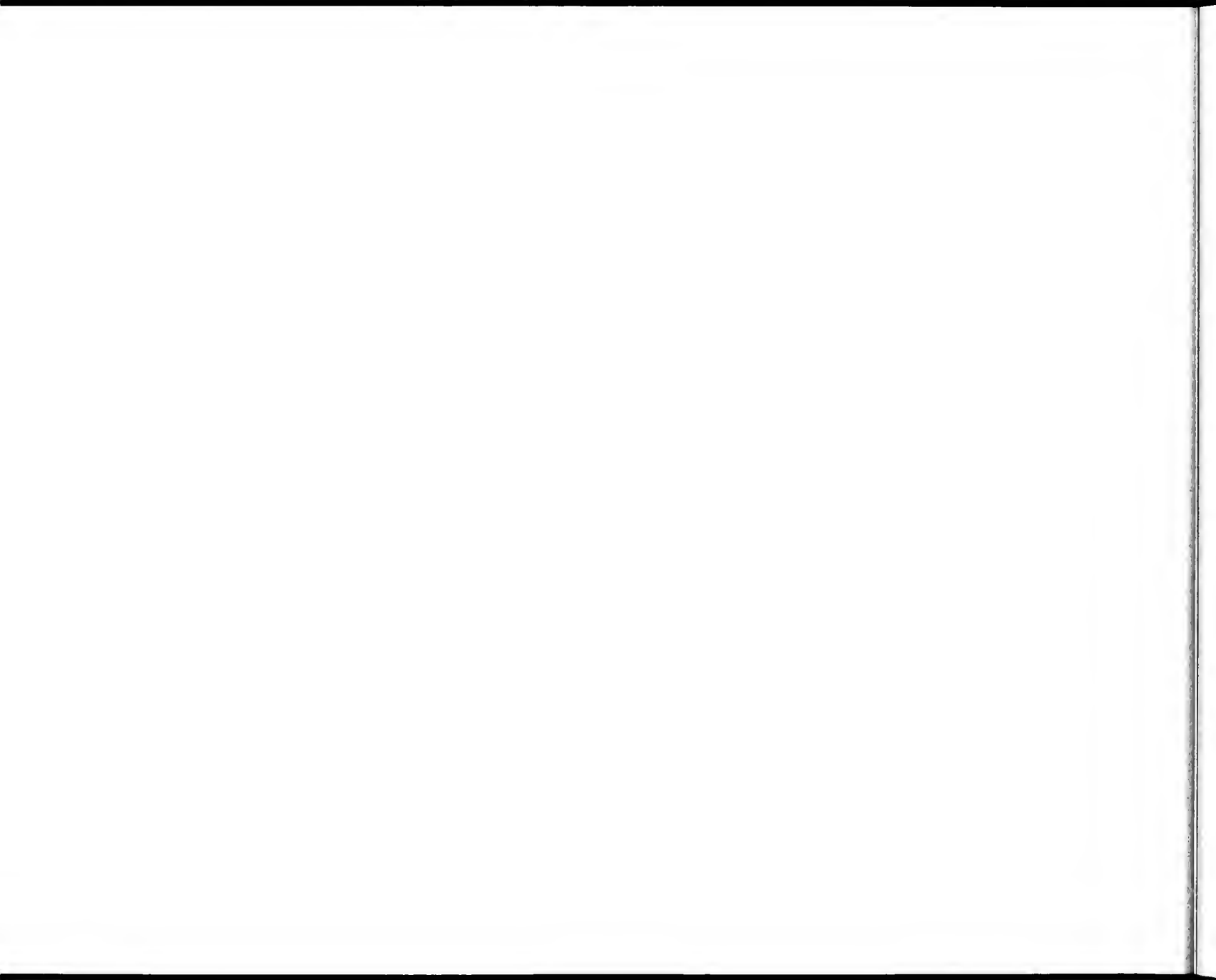
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## HOW TO USE THIS GUIDE

Agencies are listed in the guide both alphabetically and according to subject. To locate information on a particular topic, use the listing in the blue pages. Several appendixes have been added to provide further information. These include: Federal Sources of Information, County Extension Agents, Montana Power Consumer Service Managers, Rural Electric Cooperatives, Special Project Contacts, Human Resource Development Councils, and a Listing of Entries by Subordinate Agency.

This resource guide has been prepared to help teachers, librarians, and citizens locate energy information. It describes those agencies involved in energy education and lists the speakers, films, displays, and publications they provide. These lists were compiled from information submitted by the agencies. It is not an attempt to list all organizations in the state that deal with energy, nor does it intend to promote one source of information over another.





## ALTERNATIVE ENERGY RESOURCES ORGANIZATION (AERO)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Alternative Energy Resources Organization (AERO) is a nonprofit citizens' organization whose goal is to promote energy efficiency and reliance upon renewable sources of energy. It is controlled by a citizen board of directors with state-wide representation.</p> <p>Associate organizations, the New Western Energy Show and the Pondera Solar Alliance, are semi-autonomous and described in more detail under separate headings.</p> <p><b>Contact:</b></p> <p>Joy Coombs 424 Stapleton Building Billings, MT 59101 259-1958</p>	<p>Conducts conferences, seminars, hands-on workshops, and public informational meetings on wind and solar energy, hydro-power, fuel alcohol, wood-burning safety and rammed earth construction.</p> <p>Sponsors the New Western Energy Show in Helena, which tours Montana schools with puppet shows and energy activities for children.</p> <p>Sponsors the Pondera Solar Alliance in Conrad, which offers speakers and workshops, and conducts an annual energy fair.</p> <p>Billings office maintains a library, conducts book sales and provides referrals and speakers.</p>	<p><i>Get Your Hands on Energy.</i> \$5.35.</p> <p><i>The Energy Show.</i> \$3.40.</p> <p><i>The Energy Adventures of Ernie an' Bud.</i> \$.60.</p> <p><i>AERO Sun-Times.</i> Monthly magazine for members.</p> <p>60 other titles also available from AERO.</p> <p><b>To obtain publications:</b></p> <p>Sales are made from offices of AERO, the New Western Energy Show, and by mail.</p>	<p><b>Speakers:</b></p> <p>Available.</p> <p><b>Displays:</b></p> <p>Available.</p> <p><b>To obtain speakers or materials:</b></p> <p>Contact agency.</p>

## BASIN ELECTRIC POWER COOPERATIVE

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Basin Electric Power Cooperative is a bulk wholesale electric power supplier for a federation of over 100 rural electric power supply and distribution cooperatives in eight states of the Missouri Basin.</p> <p><b>Contacts:</b></p> <p>Franklin V. Soule or Nancy E. Wolf 1717 E. Interstate Ave. Bismarck, ND 58501 (701) 223-0441</p>	<p>Provides staff for large energy-related conferences and seminars.</p> <p>Member REC's (rural electric cooperatives) provide staff assistance for various energy-related programs.</p>	<p><i><b>Dwelling With Conservation.</b></i> A guide to home energy management.</p> <p><i><b>How to Save Money with an Energy Efficient Home.</b></i> General information about retrofit for the do-it-yourselfer.</p> <p><i><b>Energy From the Sun.</b></i> Operation and performance of solar water heating systems.</p> <p><i><b>Cooperative Conservation.</b></i> Pamphlet. Describes Basin Electric's involvement in energy conservation and resource sharing projects.</p> <p><i><b>Energy From the Sun.</b></i> Pamphlet. Describes headquarter building's solar heating system.</p> <p><b>To obtain publications:</b></p> <p>Publications available at \$1.00 per copy. Pamphlets available upon request. Contact agency.</p>	<p><b>Slides:</b></p> <p><i><b>The Insulation Story.</b></i></p> <p><i><b>Residential Energy Audit.</b></i></p> <p><b>Video-tape:</b></p> <p><i><b>Cooperative Conservation.</b></i> Outlines Basin Electric's involvement in various conservation and resource-sharing projects.</p> <p><b>Film:</b></p> <p><i><b>Saving Energy At Home.</b></i> Identifies major sources of home energy use.</p> <p><b>Display:</b></p> <p>Energy Conservation Display.</p> <p><b>To obtain materials:</b></p> <p>Contact agency.</p>

## BILLINGS COMMUNITY ENERGY PROGRAM (BiCEP)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>BiCEP is a volunteer citizens' organization serving the city of Billings and Yellowstone County. It is dedicated to the encouragement of energy conservation and the use of renewable energy sources.</p> <p><b>Contact:</b></p> <p>Margie Gough Box 20762 Billings, MT 59104 245-6144</p>	<p>Organizes and promotes workshops, seminars, and conferences on energy conservation and renewable energy resources.</p>		<p><b>Speakers:</b></p> <p>Available on an irregular basis. Speakers Bureau will be organized in the near future to distribute the results of the Yellowstone County Energy Study and the Energy Futures Conference, held in late 1981.</p> <p><b>To obtain speakers:</b></p> <p>Contact Agency</p>

# BONNEVILLE POWER ADMINISTRATION (BPA)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Bonneville Power Administration is a power-marketing agency for federally produced electrical energy in the Pacific Northwest.</p> <p><b>Contact:</b></p> <p>Gordon Brandenburger District Manager P. O. Box 758 Kalispell, MT 59901 755-6202</p>	<p>Provides general information on energy production, energy conservation, and renewable energy sources.</p>	<p><i>About BPA.</i></p> <p><i>BPA Shirt Pocket Facts.</i></p> <p><i>Living in a Glass House.</i> 5-book series.</p> <p><i>Columbia River Power.</i></p> <p><i>MOD-2.</i> Describes large wind project.</p> <p><i>Wind Power.</i> Describes small wind project.</p> <p><i>Pump Testing.</i></p> <p><i>Weatherization.</i></p> <p><i>Living Laboratory.</i> On BPA conservation experiments at Midway, Wash.</p> <p><i>Firm, Secondary, and Surplus Hydropower.</i></p> <p><b>To obtain publications:</b></p> <p>Publications distributed free of charge to persons in BPA service area (western Montana).</p>	<p><b>Films:</b></p> <p><i>Great River.</i> 29 min. Covers the multipurpose development of the Columbia River Basin with emphasis on power, flood control, irrigation, reclamation, and environment. Includes scenes of Hungry Horse and Libby Dams, and the Anaconda Co.'s aluminum plant at Columbia Falls, Mont.</p> <p><i>Intertie.</i> 29 min. Tells the story of the Pacific Northwest-Pacific Southwest Intertie, which consists of several extra-high voltage lines, each about 800 miles long. It is the largest single transmission program ever undertaken in the U.S.</p> <p><i>The World Behind Your Light Switch.</i> 28 min. Describes BPA crews that work round the clock in every kind of weather—on the ground, in the air, and beneath the sea.</p> <p><i>Power for a Nation.</i> 28 min. Traces early development of electric power in the U.S. and describes the role of the federal government in producing a portion of that power. Features many Northwest scenes, including Hungry Horse and Libby Dams.</p>

## BONNEVILLE POWER ADMINISTRATION (BPA) (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
			<p><i><b>The Hottest Show on Earth.</b></i> 28 min.            Outlines the current energy situation. Explains how insulation can ease the pressure on our dwindling fuel resources.</p> <p><i><b>Energy/America.</b></i> 20 min.            Discusses such sources of energy as coal, oil, and shale. Also examines geothermal, solar, wind, and atomic power.</p> <p><i><b>Atomic Power Today-Service with Safety.</b></i>            Describes the major steps in designing and constructing a nuclear power plant.</p> <p><i><b>Saving Tomorrow's Resources.</b></i> 22 min.            Discusses the future of 1200 KV transmission lines in supplying electricity to the Northwest. Shows how escalating energy demands require new solutions to the problem of getting power to the consumer.</p> <p><b>Exhibits:</b>            Available. Contact agency for description.</p> <p><b>To obtain materials:</b>            Films available upon request. Schedule in advance during school year.</p>

## CENTER FOR INNOVATION, INC. (CFI)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Center for Innovation is a full-service assistance program for inventors and small business people. The Center provides clients with the technical, manufacturing, engineering, marketing, and financial support needed to develop inventions and businesses.</p> <p><b>Contact:</b></p> <p>John C. Podobnik Vice President P. O. Box 3809 Butte, MT 59702 494-6255</p>	<p>Offers development assistance for innovative products and processes through:</p> <ul style="list-style-type: none"> <li>• patent and trademark searches;</li> <li>• technical and marketing evaluations;</li> <li>• assistance with publicity;</li> <li>• development of marketing and sales approaches; and</li> <li>• financial assistance in the form of grants or subcontracts. CFI may also secure government or private sector support for projects which show technical promise and economic potential.</li> </ul>	<p><i>CFI News.</i> Bimonthly newsletter.</p> <p><i>Products for Licensing.</i> Booklet. Distribution limited.</p> <p><i>CFI Brochure.</i></p> <p><b>To obtain publications:</b> Contact agency.</p>	<p><b>Slides:</b></p> <p>Presentation on CFI. Distribution limited.</p> <p><b>Speakers:</b></p> <p>John Podobnik Leo Belanger Dan Engellent</p> <p><b>To obtain materials or speakers:</b> Contact agency.</p>

## CONTINENTAL OIL COMPANY

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Continental Oil is a company that processes and markets energy resources and explores for new fuel sources.</p> <p><b>Contact:</b> Joan Watts Manager, Services Division Marketing P.O. Box 2548 Billings, MT 59103 252-3841</p>	<p>Provides information on a variety of energy resources.</p>		<p><b>Speakers:</b> 14 speakers available in Montana for high school, vo-tech, and college classes, and the general public.</p> <p><b>To obtain speakers:</b> Contact agency.</p>

## ENERGY AND MAN'S ENVIRONMENT (EME)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Energy and Man's Environment is a nonprofit organization whose goal is to increase public knowledge about energy. EME develops instructional materials for use in public schools, provides in-service training on energy issues for educators, and provides speakers and workshops on energy to the general public.</p> <p><b>Contact:</b> Gary D. Swant State Coordinator 113 North Frontage Rd. Deer Lodge, MT 59722 846-2451</p>	<p>Assists in teaching about energy by providing educators or the general public with</p> <ul style="list-style-type: none"> <li>• speakers,</li> <li>• tours, and</li> <li>• hands-on activities.</li> </ul> <p>Conducts a summer workshop on the Montana coal development issue.</p>	<p><i>Adventures of Mini-Volts and Wastey Watts.</i> <i>Conservation of Energy Activity Guide.</i> <i>Energy E.Q. Test.</i> <i>Energy Glossary.</i> <i>Energy Conservation Corps.</i> Energy Lesson Plan Notebooks K-6. Grades 7-12 Subject Matter Lesson Plan Packets. Captain Energy Kits.</p> <p><b>To obtain publications:</b> Materials available for purchase from agency. They are free of charge as part of school workshops.</p>	<p><b>Posters:</b> Energy Eye Chart Poster. Energy Calendar.</p> <p><b>Speakers:</b> Available for curriculum workshop.</p> <p><b>To obtain materials or speakers:</b> Contact agency.</p>



# EXXON COMPANY, U.S.A.

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Exxon is a corporation that processes and markets energy resources and explores for new fuel sources.</p> <p><b>Contact:</b></p> <p>J.H. Burch Box 2514 Billings, MT 59103 252-1331</p>	<p>Provides information on a variety of energy resources.</p>	<p><i>Exxon's Energy Outlook, 1978-1990.</i></p> <p><i>Exxon Company, U.S.A.'s Energy Outlook 1977-1990.</i> 1977.</p> <p><i>Developing the Many Sources of Energy.</i> 1977.</p> <p><i>Tomorrow's Energy...Today's Challenge.</i> Remarks by L.G. Rawl, Executive Vice President, Exxon Co.</p> <p><i>World Energy Outlook.</i> 1977.</p> <p><i>Middle East Oil.</i> 1976.</p> <p><i>The Offshore Search for Oil and Gas.</i> 1975.</p> <p><i>Technology in the Search for Energy.</i> 1976.</p> <p><i>Does Oil Affect the Marine Environment?</i></p> <p><i>Exxon and the Environment.</i> 1975.</p> <p><i>Environmental Conservation.</i> Progress report. 1977-78.</p> <p><i>The Case for Diversification.</i> Submission of Exxon Co., USA, before the Senate Judiciary Subcommittee on Antitrust and Monopoly.</p> <p><i>Energy and Economic Progress.</i> Remarks by Randall Meyer, President, Exxon Co.</p> <p><i>The Charges and the Facts.</i> 1976.</p> <p><i>OPEC: Questions and Answers.</i> 1976.</p>	<p><b>Films:</b></p> <p><i>A Funny Thing Happened on the Way to the Gas Station.</i> Story of a 13-year-old boy's journey following the production of gasoline from a well in Texas to a service station in New Jersey.</p> <p><i>World Beneath the Sea.</i> Man's search for oil and gas off the coasts of the U.S. Describes how offshore drilling has developed. Shows various types of platforms used today.</p> <p><i>Three E's.</i> Describes the complex relationship between energy, economics, and environment.</p> <p><i>Faces of Energy.</i> Documentary. Tells the story of the petroleum industry through individual portraits of workers.</p> <p><i>Nuclear Energy: Power for Today and Tomorrow.</i> Describes Exxon's part in the search for mining, milling, and fabrication of nuclear fuel for power generation.</p>

# EXXON COMPANY, U.S.A. (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><i>Are the Major Oil Firms Propping up OPEC?</i></p> <p><i>Mickey Mouse and Goofy Explore Energy.</i> Comic book.</p> <p><i>Mickey Mouse and Goofy Explore Energy Conservation.</i> Comic book.</p> <p><b>To obtain publications:</b> Contact agency. Comic books should be ordered 30 days in advance.</p>	<p><b>Speakers:</b> J.H. Burch R.E. Hanson</p> <p>Speakers available on all forms of energy, including oil, gas, nuclear, solar, wind, geothermal, coal, and tidal. Exploration, production, transportation, refining, and marketing aspects are covered along with economic and governmental concerns. Talks are tailored to the group.</p> <p><b>To obtain films or speakers:</b> Contact agency.</p>

## GREAT FALLS GAS COMPANY

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Great Falls Gas Company is a utility company distributing natural gas to the Great Falls area.</p> <p><b>Contact:</b> Graydon Hudspeth 725 Central Box 2229 Great Falls, MT 59403 761-7100</p>	<p>Provides energy audits to customers to help reduce fuel consumption.</p> <p>Provides workshops and technical assistance to builders, lenders, and appliance dealers.</p> <p>Provides presentations to Great Falls schools and consumer groups.</p>	<p><i>Natural Gas Safety.</i></p> <p><i>Gas: The Future Belongs to the Efficient.</i> Advice on appliance selection.</p> <p><b>To obtain publications:</b> Publications free in reasonable quantities. Other publications for teachers and schools in Great Falls available from: AGA Educational Services 1515 Wilson Blvd. Arlington, VA 22209 Write for free catalogue.</p>	<p><b>Filmstrip:</b> <i>Natural Gas: The Science Behind the Burner.</i></p> <p><b>Films:</b> <i>Natural Gas in the 80's.</i> Several ethnic cooking films.</p> <p><b>Junior High—High School Presentations:</b> <i>Natural Gas Production—an overview.</i> <i>Energy Conservation—an overview.</i> <i>Window Treatments for Energy Conservation.</i> <i>Selection and Use of Appliances with an Eye to Energy Conservation.</i> <i>Alternative Sources of Methane/The Future of Natural Gas.</i> <i>Gas Barbecuing—Outdoor Grilling at Its Finest.</i> <i>Gas Cooking Demonstrations.</i> Varies according to school level. <i>The Gas Cooking Advantage.</i> Designed for schools without gas ranges.</p>

## GREAT FALLS GAS COMPANY (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
			<p><i>Principles of Gas Combustion.</i> For students with an understanding of chemistry equations.</p> <p><i>Architectural Considerations for Heating and Air Conditioning.</i></p> <p><i>Cooking for Profit.</i> On commercial food service.</p> <p><b>Elementary School Presentations:</b></p> <p><i>Natural Gas Serves Our Community—Gas Supply from Well to Burner.</i></p> <p><i>Energy Conservation—What You Can Do.</i></p> <p><i>Fossil Fuels—History, Uses, Future.</i></p> <p>Variations of junior high and high school topics also available at elementary levels.</p> <p><b>To obtain films or speakers:</b> Contact agency. Prescheduling required for film and filmstrip.</p>

## MONTANA ASSOCIATED UTILITIES, INC.

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Montana Associated Utilities, Inc. is an association of rural electric cooperatives. It provides job and safety training as well as educational, advertising, and joint purchasing services to its members. It also lobbies for the group's interests.</p> <p><b>Contact:</b></p> <p>Riley Wm. Childers P.O. Box 1306 Great Falls, MT 59403 454-1521</p>	<p>Provides energy conservation information and weatherization assistance.</p> <p>Performs energy audits.</p> <p>These services vary by local group. See Appendix D for listing of cooperatives.</p>	<p><i>Rural Montana.</i> Monthly magazine for member cooperatives.</p> <p>Other publications available.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Audiovisual Materials:</b></p> <p>Available.</p> <p><b>To obtain materials:</b></p> <p>Contact agency.</p>

## MONTANA BUREAU OF MINES AND GEOLOGY

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana Bureau of Mines and Geology is a department of the Montana College of Mineral Science and Technology. It promotes the use of mineral resources through the investigation of their geology, methods of production, and economics. It also disseminates information through publications and replies to individual inquiries.</p> <p><b>Contact:</b></p> <p>S.L. Groff Director and State Geologist College of Mineral Science and Technology Butte, MT 59701 496-4179</p>	<p>Evaluates local coal fields with the federal government to determine extent, reserves, and rank of coal.</p> <p>Assesses Montana's potential for geothermal energy production. This is a joint project with the federal government.</p> <p>Provides advisory service on request.</p>		<p><b>Speakers:</b></p> <p>Occasionally available.</p> <p><b>Map:</b></p> <p><i>Geothermal Resources of Montana</i></p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

## MONTANA CHAMBER OF COMMERCE

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana Chamber of Commerce is a nonprofit, membership-supported organization serving the business community of Montana.</p> <p><b>Contact:</b></p> <p>Janelle Fallan Public Affairs Manager P.O. Box 1730 Helena, MT 59624 442-2405</p>	<p>Provides speaker on the energy crisis.</p>		<p><b>Speaker:</b></p> <p>Bill Vaughney Havre, Mont.</p> <p>Topic: the energy crisis, including its origins and possible solutions, with emphasis on Montana.</p> <p><b>To obtain speaker:</b></p> <p>Contact agency.</p>

## MONTANA COAL BOARD

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana Coal Board is a division of the Department of Commerce. Its function is to assist local governments in expanding their services when this is made necessary by coal development.</p> <p><b>Contact:</b></p> <p>Murdo A. Campbell Department of Commerce 1424 9th Ave. Helena, MT 59620 449-2400</p>	<p>Awards grants to local governments for facilities and services that must be expanded due to coal development.</p>	<p><i>Procedures for Applying for Grants.</i></p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Slide Presentation:</b></p> <p>Topic: Projects funded by Coal Board. 18 min.</p> <p><b>To obtain materials:</b></p> <p>10-day loan period. Two weeks notice and return postage required.</p>



# MONTANA COAL COUNCIL

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana Coal Council is an organization which promotes coal development in Montana through public relations and lobbying.</p> <p><b>Contact:</b></p> <p>James D. Mockler Executive Director 2301 Colonial Dr. Helena, MT 59601 442-6223</p>	<p>Coordinates lobbying efforts of coal producers in the state.</p>	<p><i>Montana Coal Council Bulletin.</i> Monthly newsletter.</p> <p><i>Montana Coal.</i> Fact sheet.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Slide/tape presentation:</b></p> <p><i>Montana Coal: A Treasure Under the Big Sky.</i> 17 min.</p> <p><b>Speaker:</b></p> <p>Jim Mockler Executive Director</p> <p><b>To obtain materials or speaker:</b></p> <p>Contact agency.</p>

## MONTANA CONSUMER COUNSEL

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The office of Consumer Counsel exists as an advocate in utility-contested case proceedings on behalf of the consuming public. The Consumer Counsel is currently James C. Paine. He is assisted by a rate analyst, a staff attorney, and an administrative assistant.</p> <p><b>Contact:</b></p> <p>Jim Paine Consumer Council 34 W. Sixth Ave. Helena, MT 59601 449-2771</p>	<p>Represents the consuming public in rate proceedings before the Public Service Commission and in appeals to the Courts.</p> <p>Facilitates public comment at rate proceedings.</p> <p>Acts as a resource for the resolution of individual utility-related complaints.</p>	<p><i>Consumer Counsel Annual Report.</i></p> <p><b>To obtain publication:</b></p> <p>Contact agency.</p>	<p><b>Speakers:</b></p> <p>Representatives of agency may be available to speak on Consumer Counsel functions and to provide information on utility issues.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

# MONTANA COOPERATIVE EXTENSION SERVICE

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Cooperative Extension Service is part of the Montana University System. Its purpose is to provide informal education in the areas of agriculture, home economics, family life, and community development. Extension agents provide services in 53 counties throughout the state. A listing of extension offices is included in Appendix B.</p> <p><b>Contacts:</b></p> <p>Roy Linn Farm Safety and Energy Specialist 406 Cobleigh Hall Montana State University Bozeman, MT 59717 994-2275</p> <p>James Bauder Soils Scientist Johnson Hall Montana State University 994-3515</p> <p>Mike Vogel Housing and Energy Specialist Taylor Hall Montana State University</p>	<p>Educates the general public in energy use and conservation through presentations, workshops, publications, and technical assistance.</p>	<p><i>Auxiliary Heating Systems.</i></p> <p><i>Winter Survival in the Home.</i></p> <p><i>Chain Saw Safety.</i></p> <p><i>Chimney Cleaning.</i></p> <p><i>Smoke and Heat Detectors.</i></p> <p><i>Why Weatherize Your Home?</i></p> <p><i>How to Determine Your Insulation Needs.</i></p> <p><i>Saving Heating and Cooling Dollars with Weatherstripping and Caulking.</i></p> <p><i>How to Save Money with Storm Doors and Windows.</i></p> <p><i>Keeping Home Heating and Cooling Equipment in Top Shape.</i></p> <p><i>Landscaping to Cut Fuel Costs.</i></p> <p><i>Home Management Tips to Cut Heating and Cooling Costs.</i></p> <p><i>Locating New Home Sites to Save Fuel.</i></p> <p><i>What to Look for in Selecting Insulation.</i></p> <p><i>How to Install Insulation for Walls.</i></p> <p><i>Solving Moisture Problems with Vapor Barriers and Ventilation.</i></p> <p><i>Weatherize Your Mobile Home to Keep Costs Down, Comfort Up.</i></p> <p><i>Tips on Financing Home Weatherization.</i></p> <p><i>Light it Right.</i></p>	<p><b>Presentations:</b></p> <p><b>Energy:</b></p> <p><i>Wood and Wood-Coal as a Replacement for Natural Gas and Electricity.</i> Covers installation, maintenance, and efficient operation of wood stoves and fireplaces.</p> <p><i>Energy from Biomass and Residues.</i> Covers alcohol fuel production, alcohol separation, and necessary changes in spark ignition engines for alcohol use; methane gas from animal waste; and use of wood chips, sawdust, paper, and straw.</p> <p><i>Vegetable Oil as an Alternative to Diesel Fuel.</i> Covers performance and problems of alternative fuels for diesel engines. Includes a demonstration of vegetable oil and diesel fuel mixture under dynamometer test conditions.</p> <p><i>Solar Energy.</i> Covers collectors, energy storage, and solar energy application in agriculture. This includes grain drying and solar drying of the alcohol by-product "stillage."</p>

## MONTANA COOPERATIVE EXTENSION SERVICE (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Don Baldrige Agronomist Johnson Hall Montana State University 994-3515</p> <p>Carol Jo Thompson Interior Design and Household Equipment Specialist Taylor Hall Montana State University 994-3451</p> <p><b>Alternate Contacts:</b></p> <p>See listing of county agents in Appendix B.</p>		<p><i>Window Schemes to Conserve Energy.</i></p> <p><i>Insulating Windows: The Inside Story.</i></p> <p><b>To obtain publications:</b></p> <p>List is partial. Contact agency.</p>	<p><i>Wind Power for Farms, Homes, and Small Industry.</i> Covers evaluation of energy re- quirements and buying, installing, and owning a wind system.</p> <p><i>Energy Conservation by Improv- ing Tractor Efficiency.</i> Covers tractor-equipment match- ing, operating speeds, and weight- ing to control slippage.</p> <p><b>Farm Practices:</b></p> <p><i>Energy Efficient Farm Practices.</i> Covers no-till, minimum till, and chemical fallow methods of agri- culture. Also covers energy saving irrigation scheduling.</p> <p><b>Window Coverings:</b></p> <p><i>Thermal Efficient Window Cov- erings and Home Lighting.</i></p> <p><b>Energy Audits:</b></p> <p><i>Energy Audits, Home Retrofit- ing.</i></p> <p><b>To obtain speakers:</b></p> <p>Contact Roy Linn for presenta- tions listed under "Energy", James Bauder for "Farm Prac- tices," Carol Jo Thompson for "Window Coverings," and Hous- ing Specialist for "Energy Audits." Or contact local county agent.</p>

## MONTANA-DAKOTA UTILITIES COMPANY (MDU)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Montana-Dakota Utilities Company is a supplier of natural gas to approximately 40,000 customers in the Billings area, 10,000 customers in the Wolf Point area, and 17,000 in the Glendive-Miles City Area. It also provides electric service to customers in the Wolf Point, Glendive, and Miles City areas.</p> <p><b>Contact:</b></p> <p>Daniel Sharp 400 N. 4th St. Bismarck, ND 58501 (701) 222-7769</p> <p><b>Regional Offices:</b></p> <p>Karen Edwards Box 2546 Billings, MT 59102 254-4161</p> <p>Peggy Fillenworth Box 201 Glendive, MT 59330 365-5251</p> <p>Steve Reddins or Susan Rabenberg Box 790 Wolf Point, MT 59201 653-1550</p>	<p>Provides on-site energy audits to residential customers.</p> <p>Issues interest-free weatherization loans to qualified customers (maximum \$1500).</p> <p>Offers a variety of programs on energy-related topics.</p>	<p>Available.</p> <p><b>To obtain publications.</b></p> <p>Contact regional office.</p>	<p><b>Audiovisual Materials:</b></p> <p>Available.</p> <p><b>Speakers:</b></p> <p>Available. Topics: natural gas, electricity, coal, alternate energy, the environment, utility finance, utility rates, and energy conservation.</p> <p><b>To obtain materials or speakers:</b></p> <p>Contact regional office.</p>

# MONTANA DEPARTMENT OF ADMINISTRATION

## Building Codes Division

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Building Codes Division is that branch of the Department of Administration which is responsible for implementation and enforcement of statewide building codes.</p> <p><b>Contact:</b></p> <p>W. James Kembel 1218 E. Sixth Ave. Helena, MT 59620 449-3933</p>	<p>Assures that buildings are constructed in a manner that encourages decreased energy consumption.</p> <p>Provides a standard for energy conservation that can be used by all levels of government.</p> <p>Provides training for inspectors, designers, contractors, and the general public to assure implementation of the energy code.</p> <p>Provides information on the energy code upon request to governmental agencies and the general public.</p>	<p><i>Code for Energy Conservation in New Building Construction.</i></p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	

## MONTANA DEPARTMENT OF AGRICULTURE

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana Department of Agriculture is the state agency which promotes the interests of Montana agriculture, administers agriculture-related statutes, represents the agricultural community in distribution and marketing issues, and publishes information about Montana's agriculture.</p> <p><b>Contact:</b> Jack Gunderson Capitol Complex Helena, MT 59620 449-4762</p>	<p>Awards grants of up to \$100,000 to promote food and feed development from by-products of ethanol production from Montana-produced wheat and barley. Applicants must be Montana residents.</p>		<p><b>Speaker:</b> Jack Gunderson Topic: grant program.</p> <p><b>To obtain speaker:</b> Contact agency.</p>

## MONTANA DEPARTMENT OF FISH, WILDLIFE, AND PARKS

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS														
<p>The Department of Fish, Wildlife, and Parks is the state agency responsible for protecting and perpetuating the fish and wildlife of Montana, and for preserving parks and recreational areas for the benefit of Montanans.</p> <p><b>Contact:</b></p> <p>Vince Yannon Youth Education Capitol Station Helena, MT 59620 449-3088</p> <p><b>Regional Offices:</b></p> <table><tr><td>Kalispell</td><td>755-5505</td></tr><tr><td>Missoula</td><td>721-5808</td></tr><tr><td>Bozeman</td><td>586-5419</td></tr><tr><td>Great Falls</td><td>454-3441</td></tr><tr><td>Billings</td><td>252-4654</td></tr><tr><td>Glasgow</td><td>228-9347</td></tr><tr><td>Miles City</td><td>232-4365</td></tr></table>	Kalispell	755-5505	Missoula	721-5808	Bozeman	586-5419	Great Falls	454-3441	Billings	252-4654	Glasgow	228-9347	Miles City	232-4365	<p>Provides information on fish and wildlife habitat and on how it is affected by energy development.</p>	<p><i>Montana Outdoors</i>. Bimonthly magazine.</p> <p>Technical reports available.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p> <p><i>Montana Outdoors</i> available at newsstands or by subscription at \$5.00 per year. Contact Department or call 449-2535.</p>	<p><b>Films:</b></p> <p>Films available on fish and wildlife.</p> <p><b>To obtain films:</b></p> <p>Films available at no charge. Contact agency.</p>
Kalispell	755-5505																
Missoula	721-5808																
Bozeman	586-5419																
Great Falls	454-3441																
Billings	252-4654																
Glasgow	228-9347																
Miles City	232-4365																



**MONTANA DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES**  
**Occupational Health Bureau**

<b>GENERAL INFORMATION</b>	<b>ENERGY-RELATED FUNCTIONS</b>	<b>PUBLICATIONS</b>	<b>AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS</b>
<p>The Occupational Health Bureau of the Department of Health and Environmental Sciences is that government agency which protects industrial workers from environmental hazards in work areas and which protects the general public from radiation by monitoring and regulating the use of radioactive materials.</p> <p><b>Contact:</b>            Larry Lloyd            Cogswell Building 113A            Helena, MT 59620            449-3671</p>			<p><b>Speaker:</b>            Available on limited basis.            Topic: health hazards from home insulating materials.</p> <p><b>To obtain speaker:</b>            Contact agency.</p>

# MONTANA DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES

## Solid Waste Management Bureau

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Solid Waste Management Bureau is the state agency which administers laws pertaining to solid waste and hazardous waste management. It also administers the statewide Junk Vehicle Recycling Program and offers grants for feasibility analysis, design, and construction of resource recovery and recycling programs. In addition, Bureau staff provides ongoing technical assistance in all facets of waste management.</p> <p><b>Contact:</b></p> <p>Duane Robertson Room A201 Cogswell Building Helena, MT 59620 449-2851</p>	<p>Offers grants to local governments for feasibility analysis, design, and construction of resource recovery and recycling programs.</p> <p>Assists in the development of area-wide waste management systems that are energy efficient.</p> <p>Administers the Junk Vehicle Recycling Program which recovers approximately 6,000 tons of ferrous scrap metal each year.</p> <p>Provides technical assistance to local governments in all aspects of resource recovery and recycling.</p>	<p>Technical publications available on all aspects of energy-related waste management.</p> <p>State study and area plans.</p> <p><b>To obtain publications:</b></p> <p>Available on request usually at no charge. Duplicating charges are sometimes required.</p>	<p><b>Speakers:</b></p> <p>Available.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

# MONTANA DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES

## Water Quality Bureau

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Water Quality Bureau is the state agency which protects the quality of Montana water. This is done through 1) a program to insure and protect drinking water supplies; 2) a program to improve and maintain sewage treatment; 3) a permit system for controlling the quality of wastewater released into state waters; and 4) a water quality management program.</p> <p><b>Contact:</b> Tom Ellerhoff Room A206 Cogswell Building Helena, MT 59620 449-3948</p>	<p>Reviews projects under the Major Facilities Siting Act to assure conformance with water quality standards.</p> <p>Administers the Montana Water Pollution Act.</p> <p>Administers those regulations pertaining to solution extraction of uranium.</p>	<p>Technical publications.</p> <p>Package outline of laws and permit requirements for water use.</p> <p><b>To obtain publications:</b> Contact agency.</p>	<p><b>Speakers:</b> Available. Topics: energy, water quality.</p> <p><b>Displays:</b> Available.</p> <p><b>To obtain materials and speakers:</b> Contact agency.</p>

## MONTANA DEPARTMENT OF HIGHWAYS

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Department of Highways is the state agency responsible for the planning, construction, and maintenance of Montana highways.</p> <p><b>Contact:</b></p> <p>Jerry Toner 2701 Prospect Ave. Helena, MT 59620 449-5655</p>	<p>Operates a vanpool program for Department employees.</p> <p>Offers behind-the-wheel training in a specially equipped car, demonstrating fuel-saving driving techniques to Department employees.</p>		<p><b>Slide/script presentation:</b></p> <p>Topic: automobile fuel economy.</p> <p><b>To obtain materials:</b></p> <p>Free loan to government agencies or to groups.</p>

# MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

## Energy Division

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS
<p>The Energy Division of DNRC is the state agency that administers the state's energy conservation programs, Montana's Renewable Energy Grants and Loans Program, and the Institutional Buildings Grants Program. It also offers limited technical engineering assistance.</p> <p>In addition, the Division also administers Montana's Major Facility Siting Act, and is responsible for energy emergency planning, energy data collection, and assessment of Montana's sustainable energy resources.</p> <p><b>Contacts:</b></p> <p>Louise Moore Conservation and Renewable Energy 32 S. Ewing Helena, MT 59620 449-3940</p> <p>Jan Konigsberg Energy Planning and Analysis 32 S. Ewing Helena, MT 59620 449-3780</p>	<p>Distributes informational materials to the general public and targeted audiences on:</p> <ul style="list-style-type: none"> <li>• building codes,</li> <li>• ridesharing,</li> <li>• energy audits,</li> <li>• energy conservation,</li> <li>• vehicle fuel efficiency,</li> <li>• geothermal energy,</li> <li>• solar energy,</li> <li>• wind,</li> <li>• biomass, and</li> <li>• hydropower.</li> </ul> <p>Sponsors workshops for the general public, teachers, and other targeted audiences on the above subjects.</p> <p>Sponsors youth energy workshops for junior high students. This is a joint project with the Cooperative Extension Service.</p> <p>Awards grants and loans on a competitive basis to Montanans involved in research, demonstration, or commercialization of renewable energy.</p>	<p><i>Eleven Energy Saving Laws.</i> 1981. 20 pp.</p> <p><i>Energy Conservation Manual for State Owned and Leased Buildings.</i> 1979. 57 pp.</p> <p><i>Energy Consumption Profile.</i> 1981. 15 pp.</p> <p>One for each of the following cities:</p> <ul style="list-style-type: none"> <li>• Columbia Falls</li> <li>• Conrad</li> <li>• Cut Bank</li> <li>• Deer Lodge</li> <li>• Dillon</li> <li>• Glasgow</li> <li>• Glendive</li> <li>• Hamilton</li> <li>• Hardin</li> <li>• Laurel</li> <li>• Lewistown</li> <li>• Libby</li> <li>• Polson</li> <li>• Sidney</li> <li>• Whitefish</li> <li>• Wolf Point</li> </ul> <p><i>Energy Pathfinder.</i> 1981.</p> <p>Lists books available at many libraries in Montana. Also lists pamphlets on the following topics: hydropower, earth-sheltered housing, wind, geothermal energy, solar greenhouses, and alcohol fuels.</p> <p><i>Guideline for Preparing Grant Proposals to the Alternative Renewable Energy Sources Program.</i> 1980. 28 pp.</p> <p><i>Montana Energy Almanac.</i> 1980. 202 pp.</p> <p><i>Montana Energy Emergency Contingency Plan.</i> 1981. 189 pp.</p> <p><i>The Montana Energy Saving Handbook for Homeowners.</i></p>

# MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION (Continued)

## Energy Division

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS
<p>Kathy Hadley Major Facility Siting 32 S. Ewing Helena, MT 59620 449-4600</p>	<p>Provides financial assistance for energy audits, and technical assistance in improving energy efficiency in schools, hospitals, local government buildings, and public care facilities.</p> <p>Assesses the need for and analyzes alternatives to proposed major energy conversion and transmission facilities.</p> <p>Collects and disseminates energy data.</p> <p>Prepares environmental impact statements for proposed facilities for generating, converting, or transmitting energy that fall under the Major Facility Siting Act and the Montana Environmental Policy Act.</p>	<p><b>Montana Geothermal Handbook.</b> 1980. 47 pp. Lists agencies, regulations, permits, and financial aids for geothermal development.</p> <p><b>Montana Historical Energy Statistics.</b> Fourth Edition, 1980. 83 pp.</p> <p><b>Montana Petroleum Review.</b> 1979, 1980. 40 pp.</p> <p><b>Montana Renewable Energy Handbook.</b> 1981. 114 pp.</p> <p><b>Montana Renewable Energy Viability Project.</b> Design Report. 1980. 103 pp.</p> <p><b>Montana Solar Data Manual.</b> 1980. 20 pp.</p> <p><b>Montana Sunpower. Volume 1, Active Solar Homes.</b> 1982.</p> <p><b>Montana Sunpower. Volume 2, Passive Solar Homes.</b> 1982.</p> <p><b>Northwest Energy Education Management Handbook.</b> 1980. 131 pp.</p> <p><b>Science Activities in Energy.</b> 1980. Grades 4-6. 6 pp. each. 5-part series consists of solar, wind, chemical, electrical and conservation activities.</p> <p>Listing is partial. Complete list can be obtained from DNRC. Brochures from other agencies are also sometimes available. Contact agency.</p> <p><b>To obtain publications:</b> Publications available free of charge in small quantities. Contact agency.</p>

# MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION (Continued)

## Energy Division

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b>Video-Tapes:</b></p> <p><i>Forgotten Fundamentals of the Energy Crisis.</i> 3/4" tape. 1979. 30 min. Dr. Al Bartlett of the University of Colorado describes our rapid consumption of limited energy resources and compares this consumption rate with exponential growth. Shows potential consequences of our consumption habits.</p> <p><i>The Inheritance.</i> 3/4" tape. 50 min. TV news special describes the impact of energy development on small communities such as Colstrip, Montana. Amory Lovins discusses hard vs. soft paths for energy development.</p> <p><b>Slide/Tape Presentations:</b></p> <p><i>An Overview of Energy Alternatives.</i> 1979. 98 slides with tape. Dr. Wayne Hager of the University of Idaho explores various energy sources regarded as alternatives to the use of oil and natural gas.</p> <p><i>Inside Insulation.</i> Mineral Insulation Manufacturers Association, Inc. 1978. 72 slides, 13 min. cassette. Discusses insulation. Slanted toward mineral wool insulation products.</p> <p><i>Getting It Together for Energy Conservation.</i> Pacific Power and Light, 1976. 9 min. cassette. Explains the team approach to energy conservation in school buildings.</p> <p><i>The Home Energy Check: A Search for Savings.</i> Owens-Corning Fiberglass, 1978. 43 slides with script. Tours a home showing ways to check for energy losses. Designed for the Federated Women's Clubs of America. Easily understood, slanted toward fiberglass insulation.</p> <p><i>Solar Energy, Ready When You Are.</i> Federal Energy Administration, 1974. 140 slides with tape. About the uses of solar energy. Focuses on active solar systems. Examples are mainly large homes in the southwestern and northwestern United States.</p> <p><i>Wrap It Up Right.</i> National Association of Home Builders. 1977. Illustrates proper application of insulation in residential structures.</p>

# MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION (Continued)

## Energy Division

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b><i>Youth Energy Workshop.</i></b> 1982. Slides with script. About a week-long workshop for junior high students. Designed to encourage youth to attend the workshops. Contains several ideas for working with young people.</p> <p><b><i>Montana's Geothermal Energy.</i></b> 1981. 40 slides with tape. An overview of geothermal energy in Montana.</p> <p><b><i>Ground Water Heat Pumps.</i></b> 1980. Slides with tape. Covers feasibility and economics of application.</p> <p><b>Displays:</b></p> <p><b><i>Appliance Labeling.</i></b> Small display about energy-efficient appliance labels. Consumer responds to questions on the display panel, which lights for correct response.</p> <p><b><i>Geothermal Energy.</i></b> Display shows geothermal development in Montana.</p> <p><b><i>Insulation.</i></b> Table-top sample display gives general information about insulation, R values, and federal specification numbers to look for when purchasing.</p> <p><b><i>Renewable Energy Display.</i></b> Overview of renewable energy projects funded under the Renewable Energy Grants Program.</p> <p><b><i>Window Treatments.</i></b> Shows five types of window treatments designed to save energy. Some construction details included.</p> <p><b><i>Youth Energy Workshop.</i></b> Table-top display with pictures and descriptions of summer workshop for junior high students.</p>



**MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION (Continued)**  
**Energy Division**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b>Maps:</b>  <i>Energy Resources and Facilities in Montana.</i>  <i>Proposed Energy Development in Montana.</i></p> <p><b>Posters:</b>  <i>Conserving Energy.</i>  <i>Solar/Renewable Energy.</i>  <i>They Will Thank You for Conserving Energy.</i>  <i>Recycle Used Oil.</i>  <i>Ridesharing.</i></p> <p><b>Speakers:</b>            Available for technical seminars, teacher training, and general public workshops in the areas of energy conservation and renewable energy sources, such as solar power, wind, biomass, hydro power, and geothermal energy. Also available to speak on Division programs.</p> <p><b>To obtain materials or speakers:</b>            Contact agency four weeks in advance.</p>

# MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

## Water Resources Division

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Water Resources Division administers Montana's water resource programs. It also administers Montana water rights laws, prepares the state water plan, and constructs, operates, and maintains state-owned water resource projects.</p> <p><b>Contacts:</b></p> <p>Mark O'Keefe Water Development Bureau 32 S. Ewing Helena, MT 59620 449-3760</p> <p>Laurence Siroky Water Rights Bureau 32 S. Ewing Helena, MT 59620 449-3962</p> <p>Rick Bondy Engineers Bureau 32 S. Ewing Helena, MT 59620 449-2864</p>	<p>Provides loan and grant funding for small scale hydro development to private and public entities through the Water Development and Renewable Resource Development Programs.</p> <p>Issues water rights permits for hydro projects that generate electricity.</p> <p>Studies the possibility of adding hydroelectric facilities to state-owned dams.</p>	<p>Brochures.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Speakers:</b></p> <p>Available.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

# MONTANA DEPARTMENT OF REVENUE

## Research and Information Division

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Research and Information Division is the state agency which provides data processing for the Department of Revenue. It also does revenue estimates for the State of Montana and gives information on tax laws to the general public.</p> <p><b>Contact:</b></p> <p>Roger L. Linnell Capitol Station Helena, MT 59620 449-2981</p>	<p>Provides information on state tax incentives for energy conservation and the use of renewable energy resources. This includes income tax credits for energy conservation and use of renewable energy, gasohol license tax reduction and property tax reduction for gasohol facilities.</p>	<p>Tax forms, instructions. Newsletter.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	

# MONTANA DEPARTMENT OF SOCIAL AND REHABILITATION SERVICES

## Economic Assistance Division

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Economic Assistance Division of Social and Rehabilitation Services is the agency which administers the state's Energy Assistance Program and the Weatherization Assistance Program.</p> <p><b>Contact:</b></p> <p>Charlie Poole Weatherization Assistance 449-4540</p> <p><b>Local Contacts:</b></p> <p>Programs are administered in local areas by Human Resource Development Councils. See Appendix F for listing.</p>	<p>Administers the Energy Assistance Program which subsidizes fuel bills of individuals and families that cannot meet the high cost of home energy.</p> <p>Through the Weatherization Assistance Program, provides a variety of energy conservation measures to those eligible. Such measures include energy auditing, insulating homes and water heaters, furnace modifications, caulking, weatherstripping, and window and roof repair. 12,300 homes have been weatherized since 1978.</p>	<p>Books and pamphlets available on energy conservation and renewable energy.</p> <p><b>To obtain publications:</b></p> <p>Publications available to low income groups and individuals or those organizations engaged in low income assistance.</p>	<p><b>Films:</b></p> <p>Available</p> <p><b>Speakers:</b></p> <p>Available</p> <p><b>To obtain films and speakers:</b></p> <p>Speakers and films available to low income groups, individuals, or those engaged in low income assistance. Written requests filled on the basis of availability.</p>

## MONTANA DEPARTMENT OF STATE LANDS

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Department of State Lands is the state agency which develops state lands to increase their value; leases state lands for grazing, timber, cabin sites, agricultural, and mineral uses; and administers laws pertaining to mined-land reclamation.</p> <p><b>Contact:</b> Gareth C. Moon Capitol Station Helena, MT 59620 449-2074</p>	<p>Requires mining operations to prepare mining and reclamation plans before issuing permits and enforces reclamation obligations.</p> <p>Administers ongoing programs for reclamation of abandoned mined lands.</p>	<p>Environmental impact statements.</p> <p><b>To obtain publications:</b> Contact agency.</p>	<p><b>Speakers:</b> Available on limited basis. Topic: Department's programs.</p> <p><b>To obtain speakers:</b> Contact agency.</p>

# MONTANA ENERGY AND MHD RESEARCH AND DEVELOPMENT INSTITUTE (MERDI)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>MERDI is a nonprofit organization dedicated to research and development of energy-related projects, products, and processes. MERDI's activities cover state, regional, and national projects.</p> <p><b>Contact:</b></p> <p>John C. Orth Vice President P.O. Box 3809 Butte, MT 59701 494-6100</p>	<p>Manages and operates a MERDI designed and constructed geothermal energy utilization program for state facilities at Warm Springs, Montana.</p> <p>Studies the feasibility of producing ethanol and a protein by-product from grain to enhance ranch energy self-sufficiency.</p> <p>Researches MHD (magnetohydrodynamics), a process of converting coal to electricity.</p> <p>Tests and operates a major national MHD facility.</p> <p>Manages wind-monitoring programs to determine the wind potential of several sites in Montana.</p> <p>Monitors a MERDI-installed 25 kW wind machine at Livingston.</p> <p>Directs energy facility-siting programs associated with Resource '89 and related facilities and programs.</p>	<p>Available.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Speakers:</b></p> <p>Jerry Plunkett Karen Barclay Topic: MERDI programs.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

**MONTANA ENERGY AND MHD RESEARCH  
AND DEVELOPMENT INSTITUTE (MERDI) (Continued)**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
	<p>Conducts visual and air quality studies during pipeline construction.</p> <p>Performs energy audits for municipalities, hospitals, and school districts.</p>		

## MONTANA ENVIRONMENTAL INFORMATION CENTER

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana Environmental Information Center is a private organization of 1300 members dedicated to environmental advocacy.</p> <p><b>Contact:</b></p> <p>Tom Daubert P.O. Box 1184 Helena, MT 59624 443-2520</p>	<p>Provides information on the environmental aspects of energy development.</p> <p>Lobbies for environmentally sound energy policy.</p> <p>Monitors, as part of the Northwest Conservation Act Coalition, implementation of environmental protection laws.</p> <p>Promotes energy conservation in new construction by providing information on energy-saving designs and siting to real estate firms and building contractors.</p>	<p><i>Down to Earth.</i> Bimonthly newsletter.</p> <p><b>To obtain publications:</b></p> <p>Publication available at newstands and from agency.</p>	



## MONTANA FEDERATION OF WOMEN'S CLUBS

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Federation of Women's Clubs is an international service organization.</p> <p><b>Contact:</b></p> <p>Mary A. Beery 2615 Bayard Butte, MT 59701 494-5043</p>	<p>Informs public about energy conservation through speakers and publications.</p>	<p><i>Energy Checklists—Idea Guide.</i></p> <p><i>Energy Savings Hints Sheet.</i></p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Audiovisual Programs:</b></p> <p><i>Home Energy Check.</i> Program aimed at stopping energy waste and saving fuel dollars in the home.</p> <p><i>Every Drop Makes a Difference.</i> Gasoline conservation program.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

## MONTANA GASOHOL COMMISSION

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana Gasohol Commission is an organization open to all interested in fuel alcohol production.</p> <p><b>Contacts:</b></p> <p>John Radenberg Wolf Point, MT 59201 653-1403 (home) 653-2012 (work)</p> <p>Tom Jaques P.O. Box 1506 Polson, MT 59860 883-5973 (home) 883-4314 (work)</p> <p>Marion Irgens Kevin, MT 59454 337-3202</p> <p>Shirley Ball South Route 206 Nashua, MT 59248 785-4731</p>	<p>Promotes fuel alcohol production and use.</p>	<p>Available.</p> <p><b>To obtain publications:</b> Contact agency.</p>	<p><b>Speakers:</b> Available.</p> <p><b>Demonstrations:</b> Available.</p> <p><b>To obtain speakers:</b> Contact agency.</p>

## MONTANA LEAGUE OF WOMEN VOTERS

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The League of Women Voters is a non-partisan organization that provides information on various issues of concern to the community.</p> <p><b>Contact:</b> Cindi Farrar 218 Roosevelt Dr. R.R. 1 Butte, MT 59701 494-2596</p>	<p>Informs the general public about nuclear energy through its nuclear energy education program, which gives a nonbiased review of nuclear power generation, with emphasis on Montana issues.</p> <p>Introduces children to energy conservation and renewable energy sources through its energy puppet show.</p>	<p><i><b>Teacher's Guide.</b></i> On nuclear energy.</p> <p><i><b>Resource File.</b></i> On nuclear energy.</p> <p><i><b>Montana Voter.</b></i> Newsletter for members.</p> <p><b>To obtain publications:</b> Contact agency.</p>	<p><b>Slide Show:</b> <i><b>Nuclear Energy.</b></i></p> <p><b>Display:</b> Nuclear Power Generation.</p> <p><b>Puppet Show:</b> <i><b>Take That, You Monster.</b></i> Puppet show also available in a larger version for large group presentation.</p> <p><b>Kits:</b> Puppet Show Teacher Kits available for loan in Teacher Resource Centers in urban areas and from the Superintendent's Office for rural areas.</p> <p><b>To obtain materials or speakers:</b> Teacher kits, large puppets, and videotapes of the puppet show can be purchased from the League. For larger version of live puppet show, groups must pay transportation and expenses of puppeteers. Contact League for more information.</p>

# MONTANA POWER COMPANY

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS
<p>The Montana Power Company is an investor-owned utility company serving Western and Central Montana.</p> <p><b>Contacts:</b></p> <p>E. Wing Spooner 40 E. Broadway Butte, MT 59701 723-5421, Ext. 2253</p> <p><b>Billings area:</b></p> <p>Debbie Singer 113 N. Broadway Billings, MT 59101 252-0591</p> <p><b>Alternate contacts:</b></p> <p>See listings of local consumer services managers in appendix C.</p>	<p>Presents a variety of energy education materials and programs.</p> <p>Offers residential energy audits to space heating customers.</p> <p>Offers no-interest loans for energy conservation measures.</p> <p>Gives tours of generating plants.</p>	<p><i>Captain Blair.</i> Grades K-6.</p> <p><i>What is Electricity?</i> Grades K-6.</p> <p><i>Natural Gas Serves Our Community.</i> Grades K-6.</p> <p><i>A Century of Light.</i> Grades K-6.</p> <p><i>The Case of the Hidden Hazards.</i> Grades K-6.</p> <p><i>Home Insulation Learning Center.</i> Grades K-6.</p> <p><i>Thomas Alva Edison Foundation Series.</i> Grades 8-12. Science Experiments.</p> <p><i>Pie in the Sky.</i> Grades 8-12.</p> <p><i>Keeping the Lights On.</i> Grades 8-12.</p> <p><i>Your Energy Conservation Reference Guide.</i></p> <p><i>Watch Watts and Save Energy.</i></p> <p><i>Coal: Answers to Your Questions.</i></p> <p><i>Careers in Energy.</i></p> <p><i>Fuels from Biomass.</i></p> <p><i>Gas-Centered Projects for Science Fairs.</i></p> <p><i>Geothermal Energy's Potential Promise.</i></p> <p><i>Solar Power: Utility Research in Solar Technologies.</i></p> <p><i>Going with the Wind.</i></p>

## MONTANA POWER COMPANY (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS
		<p><i>Energy Over the Dam.</i></p> <p><i>Gasohol.</i></p> <p><i>The Making of a Rate Case.</i></p> <p><i>Wind Machines.</i></p> <p><i>Emerging Energy Technologies.</i></p> <p><i>Coal and the Energy Crunch.</i></p> <p><i>The Story Behind the Switch.</i></p> <p><i>1981-82 Teacher Resource Guide.</i> Includes and enlarges listings given here.</p> <p><b>To obtain publications:</b></p> <p>K-6 and 8-12 publications available in single copies or classroom sets for teachers. Other publications available in quantity. Contact local consumer services manager.</p>

## MONTANA POWER COMPANY (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b>Films:</b></p> <p>All films are 16mm with sound and color unless otherwise stated.</p> <p><b>Coal:</b></p> <p><b><i>Combustion Engineering.</i></b> Grades 7-12, adult. 14 min. Presents new technologies, equipment, and jobs resulting from an increased used of coal as an energy resource.</p> <p><b><i>Coal to Kilowatt.</i></b> Grades 7-12, adult. 10 min. Takes coal from ground to generating plants. Film includes strip mining process, shipment of coal to generating plant, and reclaiming of mined land.</p> <p><b><i>Colstrip: A Reservoir of Energy.</i></b> Grades 7-12, adult. 15 min. Shows Colstrip operations from coal mining to electricity generation to town development.</p> <p><b>Electricity:</b></p> <p><b><i>Homemade Electricity.</i></b> Grades 7-12. 20 min. Follows the flow of electricity through common electrical devices.</p> <p><b><i>Wonder-filled Age of Electricity.</i></b> Grades 3-6. 28 min. Tommy, age 8, learns about the use of electricity through a tour of stores, factories, and a generating plant.</p> <p><b><i>What Time is the Power on Today?</i></b> Grades 7-12, adult. 28 min. Examines the economic and social effects that electricity curtailment has on a community. Also presents a Public Service Commission hearing.</p> <p><b><i>Electricity: The Way It Works.</i></b> Grades 7-12, adult. 15 min. Shows the production, distribution, and uses of energy.</p> <p><b><i>Electricity by Magnetism.</i></b> Grades 7-12, adult. 15 min. Shows a coal-fired generating plant and explains how electricity is generated.</p> <p><b><i>An Electric Talking Picture.</i></b> Grades 4-9. 13 min. Cartoon format. Gives a brief history of energy, an explanation of electrical production, and tips on energy conservation.</p>

## MONTANA POWER COMPANY (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b><i>Electricity—the Instant Energy.</i></b> Grades 7-12. 15 min. Gives a step-by-step explanation of how electricity is generated, transmitted, and distributed. Explains how energy sources and conservation programs are being developed to meet America's future energy needs.</p> <p><b><i>Mr. Edison's Dilemma.</i></b> Grades 10-12. 22 min. Designed for high school discussion of economic issues facing the electric utility industry. Illustrates the production, distribution, end-use, costs, and capital requirements of electric services.</p> <p><b>Electrical Safety:</b></p> <p><b><i>I'm No Fool With Electricity.</i></b> Grades K-4. 8 min. Jiminy Cricket uses games and songs to teach basic rules of electrical safety.</p> <p><b><i>Stay Clear, Stay Alive.</i></b> Grades 6-12, adult. 20 min. Gives advice for safe outdoor recreation in areas with electric cables, wires, transmission towers, transformers, or substations.</p> <p><b>Energy:</b></p> <p><b><i>Search for New Energy.</i></b> Grades 7-12. 28 min. Part one deals with efforts to solve the energy crisis by discovering and developing new sources of fuel. Part two examines new sources of power as well as windmills, tidal power, and atmospheric electricity.</p> <p><b><i>Energy: New Sources.</i></b> Grades 7-12. 20 min. Briefly surveys some potential sources of energy, such as wind, tides, or the burning of waste material. Examines in detail geothermal and solar energy and atomic fusion.</p> <p><b><i>A Question of Balance.</i></b> Grades 9-12. 28 min. Examines the public's need for more energy and the problems this creates for electric utilities.</p> <p><b><i>Energy Management in the Home Saves Money.</i></b> Explores three energy-management areas for residential consumers: insulating and weatherizing, proper care and use of heating equipment, and general conservation measures.</p>

## MONTANA POWER COMPANY (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b><i>Challenge in the Air.</i></b> Grades 7-12, adult. 23 min. Shows methods of controlling industrial emissions and measuring air quality. Explains why young people should be concerned and encourages citizen participation.</p> <p><b><i>Toast.</i></b> Grades 5-12. 12 min. Provides an overview of energy consumption in the preparation and marketing of food. Flowing images set to music illustrate the concept of net energy gain.</p> <p><b><i>Energy: Choices, Options, Decisions.</i></b> Grades 9-12. 14 min. An overview of options for electrical generation, including coal, oil, and processed refuse.</p> <p><b><i>Geothermal Energy—Power from the Earth.</i></b> Grades 7-12, adult. 13 min. Describes production of electricity from underground heat.</p> <p><b>History and Science:</b></p> <p><b><i>Steinmetz—The Man Who Made Lightning.</i></b> Grades 7-12. 10 min. Life of the electrical engineer Steinmetz, who rose above handicaps to lay the foundation for modern electric systems. His studies of alternating current anticipated the application of the computer to power systems. (Black and white.)</p> <p><b>Natural Gas:</b></p> <p><b><i>History of Natural Gas.</i></b> Grades 1-5. 7½ min. Cartoon film shows how natural gas deposits are found and how natural gas is used.</p> <p><b>Solar:</b></p> <p><b><i>Solar Energy Options.</i></b> Grades 7-12. 13½ min. Covers the technological and economic prospects for the development of solar energy. Shows its present and future uses in dwellings, in industry, on farms, and as a source of electrical energy. (Accompanied by teacher's guide.)</p>



## MONTANA POWER COMPANY (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b>Wind:</b></p> <p><b><i>Electrical Power Story—Wind Power.</i></b> Grades 8-12, adult. 18 min. Shows experiments in wind-rich areas, examines wind "prospecting," turbine design and economics, noise pollution, and the aesthetics of modern wind turbines.</p> <p><b>Classroom Presentations:</b></p> <p><b><i>I'm No Fool With Electricity.</i></b> Grades K-3. 30 min. Jiminy Cricket of Walt Disney Productions demonstrates the right and wrong ways of using electricity. Students watch a film, play poster games, and are given safety booklets.</p> <p><b><i>Captain Power.</i></b> Grade 3. 30 min. A personal visit by "Captain Power," energy expert, starts students toward an understanding of energy uses, costs, sources, and conservation.</p> <p><b><i>The Case of the Missing Kilowatt.</i></b> Grades 4-6. 45 min. In "The Great Energy Caper," students become energy detectives by tracking down energy use in their own homes.</p> <p><b><i>Think Hot.</i></b> Grade 6. 50 min. In this classroom demonstration and film, children are shown why they should "think hot" around electricity. Program emphasizes principles of electrical safety.</p> <p><b><i>Pie-in-the-Sky.</i></b> Grades 7-9. 50 min. The interrelationship between the food system and energy demand is demonstrated through games and worksheets.</p> <p><b><i>Watt's Happening in Your Home?</i></b> Grades 7-12, adult. 60 min. Through the use of a small-scale house, students learn about energy use in the home and where to look for energy "leaks."</p> <p><b><i>So Your're Moving to a New Earth.</i></b> Grades 7-9. 60 min. In this presentation, the class is "transported" to a new earth and must choose which appliances to take with them. Students learn about wattage requirements of appliances, and their own attitudes toward the value of various appliances.</p>

## MONTANA POWER COMPANY (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b><i>Energy for Today and Tomorrow.</i></b> (Renewable Energy Series.) Grades 10-12, adult. 60 min. Through this series of three classroom presentations, <b><i>Solar Energy</i></b>, <b><i>Wind</i></b>, and <b><i>Geothermal Energy</i></b>, students explore possibilities and problems involved in the development of renewable energy sources.</p> <p><b><i>The Geologist's Dilemma.</i></b> Grades 7-12, adult. 60 min. Simulation game illustrates resource scarcity, present and future cost of energy, and reasons for resource development.</p> <p><b><i>Coal to Kilowatt.</i></b> Grades 10-12, adult. 60 min. Presentation includes film showing the conversion of coal to kilowatts, using Colstrip plants and mines as examples.</p> <p><b>Additional Teacher Resources:</b></p> <p><b>Electric Meters:</b> Small, clock-type meter faces mounted on wooden blocks allow students to practice reading meters.</p> <p><b>Coal Samples:</b> Packaged coal samples come with a description of how much coal it takes to generate electricity for several common appliances.</p> <p><b>Water Restrictors:</b> Water flow restrictors for showerheads and faucets.</p> <p><b>Tours:</b></p> <p><b>Hydroelectric Plants:</b> Helena area: Holter Dam Great Falls area: Ryan, Black Eagle, and Rainbow Dams. Red Lodge/Columbus area: Mystic Lake Power House Missoula area: Milltown Dam.</p>

## MONTANA POWER COMPANY (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p>Thompson Falls area: Thompson Falls Dam.</p> <p>Polson area: Kerr Dam.</p> <p>Ennis area: Madison Dam.</p> <p><b>Coal-Fired Generation Plants:</b></p> <p>Eastern Montana: Plants in Billings and Colstrip.</p> <p><b>Wind Generators:</b></p> <p>Self-guided tour of the Livingston wind generator. Pamphlet describes how to reach the generator and lists facts and figures about the generator.</p> <p><b>Dispatch Center:</b></p> <p>The Dispatch Center in Butte is the central monitoring site for power produced by dams and steam plants on the Montana Power system. The Center offers a fascinating look at the inner workings of a utility distribution system.</p> <p><b>To obtain materials or speakers:</b></p> <p>Classroom Presentations: Arrangements should be made two weeks in advance.</p> <p>Films: Films reserved on a first-come, first-served basis. Requests should be made one month in advance. Loans is for five days. Film should be returned insured and postage paid (library rate).</p> <p>Tours: Reservations should be made three weeks in advance.</p>

# MONTANA PUBLIC LIBRARY FILM SERVICE

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana Public Library Film Service is a film loan program which serves public libraries throughout the state.</p> <p><b>Contact:</b></p> <p>Nancy Dahy Reference Librarian Butte/Silver Bow Public Library 106 W. Broadway Butte, MT 59701 723-8262</p>	<p>Loans energy films.</p>	<p><b>Films:</b></p> <p>Films are 16mm with sound and color.</p> <p><b>Elementary Films:</b></p> <p><i><b>Energy.</b></i> Oxford Films, 1974. 10 min. Illustrates the degree to which our modern lifestyle is dependent on energy from natural resources. Describes plans for expanded development of nuclear, geothermal, and solar energy.</p> <p><i><b>Energy: A First Film.</b></i> BFA Educational Media, 1970. 8 min. Discusses different forms of energy and how one form can be converted into another, pointing out that most of the energy we use comes from the sun.</p> <p><i><b>Energy and Living Things.</b></i> Centron Films, 1971. 10½ min. Examines the nature of matter and energy and demonstrates how and why both are essential to all life forms. Questions man's use of remaining fossil fuel energy reserves.</p> <p><i><b>Energy Monsters: How to Starve Them.</b></i> BFA Educational Media, 1978. 12½ min. Shows two youngsters deciding to save energy in their home and searching the house for ways to make it energy efficient.</p> <p><i><b>Learning About Solar Energy.</b></i> ACI Films, 1975. 12 min. Children find ways to heat water for an outdoor shower and cook a hot dog in a miniature solar furnace.</p> <p><i><b>Toast.</b></i> Bullfrog Films, 1974. 12 min. Shows energy consumption in the preparation and marketing of food. Illustrates that our daily toast, an end product of an intensive energy process, is hardly a bargain at present energy costs.</p> <p><i><b>More.</b></i> Macmillan Films, Inc., 1973. 3 min. Animated. Portrays our national syndrome of conspicuous consumption. "More," demands man, until the inevitable climax.</p>

# MONTANA PUBLIC LIBRARY FILM SERVICE (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b>Junior High to Adult Films:</b></p> <p><b><i>E. F. Schumacher—As If People Mattered.</i></b> Bullfrog Films, Inc., 1978. 16 min. A record of a Schumacher speech in Montana. Recommends that we devise an economy in which people consume goods from their locale.</p> <p><b><i>Energy: A Matter of Choices.</i></b> Encyclopedia Britannica, 1973. 22 min. Surveys the attitudes and technological forces on which our patterns of energy consumption are based, and studies causes of and responses to the energy crisis.</p> <p><b><i>Energy: A National Issue.</i></b> Aims Instructional Media Services, 1977. 27 min. The Flintstones explain the causes of a dwindling energy supply and some of the problems of dwindling supply. Charlton Heston narrates.</p> <p><b><i>Energy for the Future.</i></b> Encyclopedia Britannica, 1974. 17 min. Examines energy alternatives for the future, including processed coal, oil, geothermal heat, nuclear fission and fusion, wind, and solar heat.</p> <p><b><i>Energy from the Day Star.</i></b> Essentia Films, 1978. 22 min. A rediscovery of our connection with nature. Argues that solar energy is a necessity for the future.</p> <p><b><i>Energy: Less is More.</i></b> Churchill Films, 1974. 18 min. An investigation of the need to slow energy consumption and ways this can be done.</p> <p><b><i>Energy: New Sources.</i></b> Churchill Films, 1974. 20 min. Describes the potential and limits of new technologies, including solar, fusion, and geothermal. Argues for developing a variety of options.</p> <p><b><i>Energy: The Dilemma.</i></b> Churchill Films, 1974. 20 min. Examines energy growth patterns: past, present, and future. Explores problems of supply and demand, depletion of fossil fuels, our dependency on them, and resultant economic and social problems.</p> <p><b><i>Energy: The Nuclear Alternative.</i></b> Churchill Films 1974. 20 min. Explores fission power, how it works, and the controversies over safety and radioactive wastes.</p>

## MONTANA PUBLIC LIBRARY FILM SERVICE (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b><i>Energy: The Problems and the Future.</i></b> National Geographic Society, 1978. 23 min. Discusses solar, geyser, tidal, and wind power as solutions to the exhaustion of nonrenewable fuels.</p> <p><b><i>The Energy Game.</i></b> Federal Energy Administration, 1973. 16 min. Promotes home insulation campaigns, and recommends the use of the <i>Home Energy Savers Handbook</i>. Suitable for energy conservation workshops and civic meetings.</p> <p><b><i>Energy, the Great Escape.</i></b> Federal Energy Administration and the South Dakota Energy Office, 1974. 20 min. Explains types of fossil fuel heating systems and maintenance procedures for them. Also deals with the weatherization of residences.</p> <p><b><i>Featherfoot.</i></b> U.S. Post Office, 1977. 30 min. Explains driving techniques that save fuel. Designed for use by post office employees but suitable for many groups.</p> <p><b><i>The Food Cycle and Food Chains.</i></b> Coronet Films, 1963. 10½ min. Describes food chains and the unending pattern of life, growth, and decay known as the food cycle.</p> <p><b><i>Have We Stayed Too Long at the Fair.</i></b> Screenscope, Inc., 1978. 25 min. Portrays U.S. dependence on energy by using the hard winter of 1976-1977 as an example of what can happen when gas, oil, and electricity cannot be moved when and where needed.</p> <p><b><i>Introduction to Electricity.</i></b> Coronet Films, 1971. 11 min. Presents fundamental concepts of electrical energy, electrical resistance, and factors affecting variations in each. Clarifies terms such as electrons, voltage, and parallel and series wiring.</p> <p><b><i>Montana Coal.</i></b> Tractor and Equipment Company of Billings. 15 min. Shows strip mining and reclamation in eastern Montana, with emphasis on jobs for Montanans because of coal mining.</p> <p><b><i>More.</i></b> Macmillan Films, Inc., 1973. 3 min. See listing under "Elementary Films."</p>

# MONTANA PUBLIC LIBRARY FILM SERVICE (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b><i>Saving Energy at Home.</i></b> Ramsgate Films, 1975. 13 min. Identifies major sources of home energy use, and provides tips on how the average American household can cut energy bills in half.</p> <p><b><i>Solar Energy: To Capture the Power of Sun and Tide.</i></b> ACI Films, 1975. 21 min. Shows the use of tidal power and a sun furnace in France.</p> <p><b><i>Toast.</i></b> Bullfrog Films, 1974. 12 min. See listing under "Elementary Films."</p> <p><b><i>Treasures of the Earth.</i></b> Churchill Films, 1974. 14½ min. Describes, largely in animation, how minerals, oil, and coal are deposited in the earth's crust. Film also deals with the scarcity of these products, and the growing difficulty in their extraction.</p> <p><b><i>Up the Power Curve.</i></b> Federal Energy Administration, 1976. 10 min. Shows the practicality of energy conservation. Covers a wide range of energy saving ideas and their potential dollar savings.</p> <p><b><i>Western Coal: An American Dilemma.</i></b> Churchill Films, 1975. 24 min. Deals with the implications of coal development in Montana, Wyoming, and North Dakota. Shows scenes of Colstrip and Forsyth.</p> <p><b>Senior High to Adult Films:</b></p> <p><b><i>Dawn of the Solar Age: Solar Energy.</i></b> Time-Life Films, 1972. 29 min. Points out that the sun is capable of supplying 100,000 times the total global energy requirements and is free, but solar collectors and equipment are expensive. Can the sun be efficiently harnessed?</p> <p><b><i>Dawn of the Solar Age: Wind and Water Energy.</i></b> Time-Life Films, 1977. 25 min. Discusses wind and water power as products of solar energy. Experiments in both these areas are discussed in this British film.</p> <p><b><i>Energy Crunch—Part One: The Bottom of the Oil Barrel.</i></b> Time-Life Films, 1973. 34 min. Explores some of the reasons for shortages of oil and possibilities of finding new sources—including oil shale and coal conversion, and drilling in the North Sea and Alaska's North Slope.</p>

# MONTANA PUBLIC LIBRARY FILM SERVICE (Continued)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><b><i>Energy Crunch—Part Two: The Nuclear Dilemma.</i></b> Time-Life Films, 1973. 40 min. Gives a brief history of nuclear power. Examines pros and cons of reactors in the U.S. and Great Britain. Describes the breeder reactor.</p> <p><b><i>Energy Crunch—Part Three: The Sunbeam Solution.</i></b> Time-Life Films, 1973. 38 min. Focuses on solar power, but also looks at wind and underground hot water. Closes with an examination of ways to conserve energy.</p> <p><b><i>Nuclear Power: Pro and Con, Parts 1 and 2.</i></b> McGraw-Hill Films, 1977. 50 min. Investigates the benefits and disadvantages of nuclear power. Discusses past uses and asks if future use of nuclear energy is risky.</p> <p><b><i>The Other Way.</i></b> Time-Life Films, 1974. 26 min. Economist E.F. Schumacher looks at the energy crisis with its related problems of fuel use, land use, and manpower use, and suggests solutions.</p> <p><b><i>Running on Empty—The Fuel Economy Challenge.</i></b> U.S. Department of Energy, 1978. 27 min. Presents a special 90-mile road rally, introducing a variety of methods that average drivers in average cars can use to achieve maximum savings in gasoline and money.</p> <p><b>To obtain films:</b> Fee of \$2.00 for films running 15 minutes or under, \$3.00 for films running over 15 minutes. Reservations should be made at least two weeks in advance.</p>



# MONTANA SOLAR ENERGY INDUSTRIES ASSOCIATION

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Montana SEIA is an association of persons and businesses in the renewable energy industry in Montana.</p> <p><b>Contact:</b></p> <p>Wade Wilkison Statewide Coordinator P. O. Box 871 Helena, MT 59604 442-1480</p>	<p>Promotes the use of renewable energy by educating citizens and industry about the potential applications of solar systems.</p>		<p><b>Speakers:</b></p> <p>Association members are available as speakers and will conduct workshops on solar applications including domestic water heating, space heating, and photovoltaics.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

## MONTANA STATE LIBRARY

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana State Library is the state agency which provides library services to state employees, residents of institutions, and handicapped citizens. Part of its reference service includes on-line computer database searches. It acts as a full depository and distribution center for state government publications and a partial depository for federal government publications. It also coordinates the Public Library Federation Network.</p> <p><b>Contact:</b></p> <p>Reference Department 930 E. Lyndale Helena, MT 59620 449-3004</p>	<p>Maintains a general collection of books, magazines, and government agency publications on energy topics.</p>	<p>Numerous books, government publications and periodicals available.</p> <p><b>To obtain publications:</b></p> <p>General public may request publications and periodical articles through any public library. State agency employees may request titles directly from the State Library.</p>	<p><b>Films:</b></p> <p>Available.</p> <p><b>To obtain films:</b></p> <p>Request through public library. State employees may make requests directly from State Library.</p>

# MONTANA STATE UNIVERSITY

## Agricultural Experiment Station

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Agricultural Experiment Station is a branch of Montana State University which conducts studies in agriculture, natural resources, and rural life. Information from the research is made available to Montana residents.</p> <p><b>Contact:</b> James R. Welsh Director Montana State University Bozeman, MT 59717 994-3681</p>	<p>Works toward energy conservation in agricultural operations by conducting research in the following areas:</p> <ul style="list-style-type: none"> <li>• cropping sequences,</li> <li>• no-till planting,</li> <li>• tractor efficiency,</li> <li>• biological weed controls,</li> <li>• animal waste conversion to methane gas, and</li> <li>• chemical fallow.</li> </ul> <p>Provides technical information and consultation on research topics.</p>	<p>Research reports.</p> <p><b>To obtain publications:</b> Contact agency.</p>	

**MONTANA STATE UNIVERSITY**  
**Department of Agricultural and Industrial Education**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Department of Agricultural and Industrial Education is that branch of Montana State University which prepares industrial arts and vocational agriculture teachers for Montana and the region.</p> <p><b>Contact:</b>  Doug Polette  Montana State University  Bozeman, MT 59717  994-3201</p>	<p>Offers energy education programs that use a hands-on approach to understanding power sources and uses.</p>		<p><b>Slide Presentation:</b>  Topic: wood stoves.</p> <p><b>To obtain speakers:</b>  Contact agency</p>

# MONTANA STATE UNIVERSITY

## Department of Agricultural Engineering

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Agricultural Engineering Department is that branch of Montana State University which conducts teaching, research, and extension work in agricultural engineering.</p> <p><b>Contact:</b> William Larsen 409 Cobleigh Hall Bozeman, MT 59717 994-2275</p>	<p>Conducts applied research and provides information on energy-related agricultural topics, such as:</p> <ul style="list-style-type: none"> <li>• geothermal green-houses,</li> <li>• tractors and tillage energy,</li> <li>• energy utilization for irrigation,</li> <li>• vegetable oil diesel fuel, and</li> <li>• biomass energy conversion.</li> </ul>	<p>Research reports on energy-related agricultural topics.</p> <p><b>To obtain publications:</b> Contact agency.</p>	

**MONTANA STATE UNIVERSITY**  
**Department of Animal and Range Science**  
**Reclamation Research Unit**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Reclamation Research Unit is a subdivision of the Department of Animal and Range Science. Its function is to conduct research and teaching in the field of mined land rehabilitation.</p> <p><b>Contact:</b></p> <p>Frank Munshower  Montana State University  Bozeman, MT 59717  994-4821</p>	<p>Offers an M.S. degree in Land Rehabilitation.</p> <p>Conducts a research program in mined land rehabilitation.</p>	<p>Publications and papers on reclamation research.</p> <p><b>To obtain publications:</b></p> <p>Most new publications available free on request. Older publications will be reproduced at requester's expense. Contact agency.</p>	

# MONTANA STATE UNIVERSITY

## Montana Water Resources Research Center

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana Water Resources Research Center is a division of Montana State University which promotes research in water management and development. It works with existing agencies on the federal, state, and local level in planning and coordinating water resource management programs. It also has an educational outreach program to increase public awareness of water resources management.</p> <p><b>Contact:</b> William A. Hunt Interim Director Montana State University Bozeman, MT 59717 994-2891</p>	<p>Provides information on:</p> <ul style="list-style-type: none"> <li>• small hydroelectric power generating systems: site feasibility, equipment selection, and evaluation procedures;</li> <li>• Water quality and quantity evaluation procedures;</li> <li>• techniques for considering alternative water resources for steam-generating plants and synthetic fuel development; and</li> <li>• energy requirements for irrigation, municipal, and industrial uses.</li> </ul> <p>Conducts studies on specific problems for federal, state, local, and private agencies and individuals.</p> <p>Conducts workshops and seminars on water management.</p>	<p>Publications on water resources.</p> <p><b>To obtain publications:</b> Contact agency.</p>	<p><b>Speakers:</b> Available for selected topics.</p> <p><b>Display/Exhibits:</b> Water management simulator for use in workshops and seminars.</p> <p><b>To obtain speakers or materials:</b> Contact agency.</p>

# MONTANA STATE UNIVERSITY

## Science-Math Resource Center

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Science-Math Resource Center is a resource center for public school teachers in Montana and for education majors on the MSU campus.</p> <p><b>Contact:</b> Jade Hanson Montana State University Bozeman, MT 59717 994-4912</p>	<p>Conducts citizens' workshops on energy and the environment. These include slides on energy problems, use of the energy-environment simulator, and discussion.</p>	<p>Energy curriculum materials, including publications from Energy and Man's Environment and from the National Science Teachers' Association.</p> <p><b>To obtain publications:</b> Publications available to Montana public school teachers or education majors at MSU. Contact agency.</p>	<p><b>Sound Filmstrips:</b> <i>This World of Energy.</i> National Geographic. <i>Harnessing the Sun.</i> National Geographic.</p> <p><b>Speakers:</b> Larry Kirkpatrick Associate Professor of Physics Available for a 1-hour slide-talk presentation: <i>The Epoch of Fossil Fuels: A story of Exponential Growth.</i></p> <p><b>Workshops:</b> Available. Topic: energy and the environment.</p> <p><b>To obtain materials or speakers:</b> Available to any public school or open meeting of a citizens' group not charging admission. Contact agency.</p>



# NATIONAL CENTER FOR APPROPRIATE TECHNOLOGY (NCAT)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The National Center for Appropriate Technology is an organization which conducts scientific and technological research in the area of energy-efficiency, and promotes application of appropriate technology in low-income communities.</p> <p><b>Contact:</b></p> <p>John Sesso P.O. Box 3838 Butte, MT 59701 494-4577 (Business Office) 494-4572 (Grants Information)</p>	<p>Provides information, speakers, and technical assistance in the areas of:</p> <ul style="list-style-type: none"> <li>• power generation from sun, wind, and water;</li> <li>• food production through ecological farming and gardening; and</li> <li>• recycling wastes.</li> </ul> <p>Awards small grants for application of appropriate technology in low-income communities.</p>	<p><i>Connections: A 5th-6th Grade Curriculum in A.T. Introduction to Alcohol Fuels.</i> 1981.</p> <p><i>Caulking: The Push Method.</i></p> <p><i>Thermostat Control Timer.</i></p> <p><i>How to Detect Air Leaks.</i></p> <p><i>Caulking vs. Weatherstripping.</i></p> <p><i>How to Select a Metal Storm Window.</i></p> <p><i>How to Insulate Hot Water Tanks.</i></p> <p><i>Superinsulation: Housing Trends for the 80's.</i></p> <p><i>The Caterpillar Cold Frame.</i></p> <p><i>Low-Cost Passive Solar Greenhouses Manual.</i></p> <p><i>Micro-Hydro Power.</i></p> <p><i>Getting Warm Without Getting Burned: Common Sense About Woodstoves.</i></p> <p><i>The Solar Survey.</i></p> <p><i>Natural Cooling for Homes.</i></p> <p><i>Fuel Alcohol Production: Survey of Systems.</i></p> <p><i>Making More Fuel Alcohol: Fermentation.</i></p> <p><i>Compost Toilets: Guide for Owners-Builders.</i></p> <p><i>Automatic Flue Dampers.</i></p> <p><b>To obtain publications:</b></p> <p>Listing partial. For further information on available titles and prices, contact agency.</p>	<p><b>Speakers:</b></p> <p>Available.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

## NEW WESTERN ENERGY SHOW (NWES)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The New Western Energy Show, a branch of AERO, is an organization dedicated to public education about renewable energy. The current focus of its efforts is on the children and schools of Montana.</p> <p><b>Contact:</b></p> <p>Robin Leenhouts 601 Power Block Helena, MT 59601 443-7272</p>	<p>Presents puppet shows with energy and environmental themes. Offers energy workshops for teachers.</p> <p>Offers technical workshops on construction of solar collectors, greenhouses, ovens, etc.</p> <p>Offers classes and lectures.</p> <p>Maintains a library on energy-related topics.</p> <p>Provides consulting services for teachers and the general public.</p>	<p><i>Get Your Hands on Energy.</i> \$4.50. Activity guide for energy education.</p> <p><i>The Energy Show.</i> \$2.75. Script for theatre show using six actors.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Film:</b></p> <p><i>The New Western Energy Show.</i> 25 min. Documentary.</p> <p><b>Displays:</b></p> <p>Renewable energy exhibits.</p> <p><b>Speakers:</b></p> <p>Available.</p> <p><b>To obtain materials or speakers:</b></p> <p>Contact agency to arrange for speakers or display rental. Documentary available from agency or Bullfrog Films, Oley, Pa.</p>

## NORTHWEST POWER PLANNING COUNCIL

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Northwest Power Planning Council, created by federal legislation and operated by the state, is a group charged with developing a 20-year, comprehensive, electrical energy plan for the Pacific Northwest by April of 1983. It is comprised of two representatives each from the states of Montana, Washington, Idaho, and Oregon.</p> <p><b>Contact:</b></p> <p>Bernd Hoffman Northwest Power Planning Council Montana Office Capitol Station Helena, MT 59620 449-3952</p>	<p>Assesses future energy requirements of the Northwest.</p> <p>Examines possible power sources, including renewable energy resources.</p> <p>Examines import of various power generation systems on the environment.</p> <p>Based on above studies, develops a comprehensive energy plan for the Pacific Northwest.</p>		<p><b>Speakers:</b></p> <p>Available.</p> <p>Topic: The Northwest Power Planning Act and its potential ramifications for Montana and the Northwest.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

# OFFICE OF PUBLIC INSTRUCTION

## Audiovisual Library

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/ SPEAKERS/DISPLAYS
<p>The State Audiovisual Library is a division of the Office of Public Instruction that maintains a collection of 16mm educational films available for rental to schools and other educational groups in Montana.</p> <p><b>Contact:</b></p> <p>Ed Weiss Supervisor 1430 Dodge Ave. Helena, MT 59620 449-3170</p>	<p>Loans energy films.</p>	<p><b>Films:</b></p> <p><i>The Age of Steam.</i> 6570</p> <p><i>American Frontier.</i> 5570</p> <p><i>Atomic Power Production.</i> 5767</p> <p><i>Barrel Number One.</i> 5569</p> <p><i>Black Coal, Red Power, Parts I and II</i> 8633</p> <p><i>Coal: A Source of Energy.</i> 8390</p> <p><i>Colorado River: Water and Power for the Southwest.</i> 6724</p> <p><i>Conserving Our Mineral Resources.</i> 6701</p> <p><i>Electricity and How It Is Made.</i> 5884</p> <p><i>Electricity Works for Us.</i> 5682</p> <p><i>Electricity: Production.</i> 5851</p> <p><i>Electrons at Work.</i> 5197</p> <p><i>Energy.</i> 7887</p> <p><i>Energy and Models.</i> 7440</p> <p><i>Energy and Power: A First Look.</i> 5640</p> <p><i>Energy Crisis.</i> 7952</p> <p><i>Energy Sources of the Future.</i> 8544</p> <p><i>Energy: A First Film.</i> 7581</p> <p><i>Energy: Less Is More.</i> 8271</p> <p><i>Energy: New Sources.</i> 8270</p> <p><i>Energy: The Dilemma.</i> 8268</p>

**OFFICE OF PUBLIC INSTRUCTION (Continued)**  
**Audiovisual Library**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
		<p><i>Energy: The Nuclear Alternative.</i> 8269</p> <p><i>Energy: A Matter of Choices.</i> 8106</p> <p><i>Energy: Can't Do Without It.</i> 8189</p> <p><i>Exploring Electromagnetic Energy.</i> 5635</p> <p><i>Farm Petroleum Safety.</i> 5573</p> <p><i>Fuels: Their Nature and Use.</i> 0429</p> <p><i>How Power Drives Machines.</i> 5587</p> <p><i>Inside the Big E.</i> 5565</p> <p><i>Ionization Energy.</i> 5710</p> <p><i>It Will Run Out on Us.</i> 8547</p> <p><i>The Mighty Atom.</i> 6746</p> <p><i>Nonstop to Everywhere.</i> 5566</p> <p><i>Our Mr. Sun, Part I-Part II.</i> 4678</p> <p><i>Powerline-Transportation of Energy.</i> 7550</p> <p><i>Strip Mine Trip.</i> 8505</p> <p><i>Turn a Handle Flick a Switch.</i> 8499</p> <p><i>Twenty-Four Hours of Progress.</i> 5568</p> <p><i>We Are Water.</i> 8847</p> <p><i>We Use Power.</i> 4740</p> <p><i>What in the World is Water?</i> 8366</p> <p><i>When the Circuit Breaks.</i> 8829</p> <p><b>To obtain films:</b></p> <p>Rental fee of \$6.50 per film per week. \$19.50 late charge.</p>

# OFFICE OF PUBLIC INSTRUCTION

## Education Specialists

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The education specialists of the Office of Public Instruction are state employees whose function is to assist Montana school teachers and administrators by providing additional curriculum materials and training.</p> <p><b>Contacts:</b></p> <p>Office of Public Instruction 1300 Eleventh Ave. Helena, MT 59620</p> <p>Gary Hall Science Specialist 449-2086</p> <p>Mary Elizabeth McAuly Homemaking and Wage Earning Specialist 449-2087</p> <p>Jeffery Wulf Vocational Education Specialist 449-2087</p>	<p>Provides information and materials to teachers.</p> <p>Conducts demonstration classes.</p> <p>Conducts in-service teacher training.</p>	<p>Curriculum materials.</p> <p><b>To obtain publications:</b></p> <p>Materials available to Montana teachers. Contact agency.</p>	<p><b>Speakers:</b></p> <p>Available.</p> <p><b>Exhibits:</b></p> <p>Energy Environment Simulator.</p> <p><b>Films:</b></p> <p>See Office of Public Instruction, Audiovisual Library.</p> <p><b>To obtain materials or speakers:</b></p> <p>Speakers: Contact appropriate specialist.</p> <p>Exhibits: Contact Gary Hall.</p>

## PACIFIC POWER AND LIGHT COMPANY (PPL)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Pacific Power and Light is a utility company that supplies electric service to Kalispell, Libby, Whitefish, Columbia Falls, Lakeside, and Bigfork.</p> <p><b>Contact:</b> Tom Sears Energy and Conservation Services Department P.O. Box 250 Kalispell, MT 59901 755-7461</p>	<p>Conducts energy audits to determine if home improvements will be cost effective.</p> <p>Issues interest-free loans for home weatherization to homeowners with electrically heated homes constructed before August 18, 1978.</p>	<p>Available.</p> <p><b>To obtain publications.</b> Contact local office.</p>	<p>Complete listing available.</p> <p><b>To obtain materials:</b> Contact local office.</p>

## PONDERA SOLAR ALLIANCE

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Pondera Solar Alliance, a branch of AERO, is a non-profit, citizens' organization which promotes the transition to renewable energy forms and appropriate technology in Pondera County and north central Montana.</p> <p><b>Contact:</b> Dale Sheldon P.O. Box 462 Conrad, MT 59425 278-5330</p>	<p>Provides speakers on renewable energy.</p> <p>Offers hands-on workshops.</p> <p>Conducts an annual energy fair.</p>	<p><i><b>Shine of the Times.</b></i> Limited printing. Follow-up to Alcohol Fuel Conference sponsored by Solar Alliance.</p> <p><i><b>A Practical Guide to Solar Heating.</b></i> Limited printing.</p> <p><b>To obtain publications:</b> Contact agency.</p>	<p><b>Demonstrations:</b> Alcohol Fuel Still.</p> <p><b>Speakers:</b> Available.</p> <p><b>To obtain speakers:</b> Contact agency.</p>



## PUBLIC SERVICE COMMISSION (PSC)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Public Service Commission is the state commission which regulates public utility and transportation industries. Its goal is to provide consumers with adequate services at the lowest achievable cost while still allowing industry a fair return on investment.</p> <p><b>Contact:</b></p> <p>William J. Opitz 1227 11th Ave. Helena, MT 59620 449-3008</p>	<p>Regulates public utility and transportation industries that provide intrastate services.</p>		<p><b>Speakers:</b></p> <p>Commissioners Executive Director Administrator, Utility Division Administrator, Legal Division</p> <p><b>To obtain speakers:</b></p> <p>Pay expenses. Contact agency.</p>

# UNIVERSITY OF MONTANA

## Department of Geology

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Department of Geology is that division of the University of Montana which conducts teaching and research in the area of geology and environmental studies.</p> <p><b>Contact:</b></p> <p>Arnold Silverman University of Montana Missoula, MT 59812 243-5151</p>	<p>Offers undergraduate and graduate programs in geology, with emphasis on energy resources, mineral resources, and economic geology.</p> <p>Offers graduate programs in environmental studies.</p> <p>Offers teaching and research assistantships in above programs.</p> <p>Conducts research on energy resources.</p>	<p>Publications available on solar and nuclear energy, coal, and synfuels.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Speakers:</b></p> <p>Faculty and graduate students available for meetings, symposia, and workshops.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

# UNIVERSITY OF MONTANA

## Environmental Library

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Environmental Library, initially begun by western Montana scientists and funded privately, is now a branch of the University of Montana. It continues its original function: to provide citizens with scientific information in understandable form.</p> <p><b>Contact:</b></p> <p>William Tomlinson 758 Eddy St. University of Montana Missoula, MT 59812 243-2282</p>	<p>Maintains regionally specific files on:</p> <ul style="list-style-type: none"> <li>• energy generation: alternatives, development, policy, rates, supplies;</li> <li>• transmission systems: development and effects;</li> <li>• conservation; and</li> <li>• legislation and statutory implementation.</li> </ul> <p>Catalogues information on</p> <ul style="list-style-type: none"> <li>• air and water pollution,</li> <li>• water resources,</li> <li>• fuels and minerals, and</li> <li>• radiation and hazardous materials.</li> </ul> <p>Lends materials to general public through personal visit or mail checkout system.</p>	<p>Books, pamphlets, documents available for loan.</p> <p><b>To obtain publications:</b></p> <p>Available to public through personal visit or mail check-out system.</p>	<p><b>Slides:</b></p> <p>35mm slides available.</p> <p><b>Displays:</b></p> <p>Black and white display mounted prints available.</p> <p><b>To obtain materials:</b></p> <p>Materials available for loan. Contact agency.</p>

**U.S. DEPARTMENT OF AGRICULTURE**  
**Farmers Home Administration**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Farmers Home Administration (FmHA) is a credit agency of the United States Department of Agriculture which serves rural and small town residents. FmHA administers several loan programs: for the purchase or operation of farms, to provide new employment and business opportunities, to acquire homes, and to upgrade the standard of living of residents of small towns or open country.</p> <p><b>Contact:</b></p> <p>Arthur E. Lund  State Director  Farmers Home Administration  P.O. Box 850  Bozeman, MT 59715  587-5271, Ext. 4221</p>	<p>Provides loans for the purchase of solar-heated homes to qualified applicants.</p> <p>Provides loans for small hydro projects to farmers.</p>	<p>Pamphlets available on loan programs.</p> <p><b>To obtain publications:</b>  Contact agency.</p>	

# U.S. DEPARTMENT OF ENERGY

## Technical Information Center

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS
<p>The Technical Information Center is the educational outreach branch of the Department of Energy.</p> <p><b>Contact:</b></p> <p>Doris Brooks P.O. Box 62 Oakridge, TN 37830</p>	<p>Provides information on a variety of energy sources to teachers and consumers.</p>	<p><b>Pamphlets:</b></p> <p><i>Energy and You.</i> 1979. 6 pp.</p> <p><i>Energy From the Winds.</i> 1979. 11 pp.</p> <p><i>Energy Saving Checklist for Home Builders, Buyers, and Owners.</i> 1979. 4 pp.</p> <p><i>1982 Gas Mileage Chart.</i> 28 pp.</p> <p><i>How to Improve the Efficiency of Your Oil-Fired Furnace.</i> 1978. 9 pp.</p> <p><i>How to Save Gasoline...and Money.</i> 1979. 7 pp. Spanish edition available.</p> <p><i>Hydrogen Fuel.</i> 1978. 22 pp.</p> <p><i>Insulate Your Water Heater and Save Fuel.</i> 1978. 3 pp.</p> <p><i>Magnetic Fusion.</i> 1978. 9 pp.</p> <p><i>Professional Energy Careers.</i> 1979. 45 pp.</p> <p><i>Solar Energy.</i> 1979. 27 pp.</p> <p><i>Where to Find Information About Solar Energy.</i> 1979. 33 pp.</p> <p><i>Winter Survival: A Consumer's Guide to Winter Preparedness.</i> 1978. 18 pp.</p> <p><i>Low Cost, No Cost.</i></p> <p><b>Teachers' Resource Material:</b></p> <p><i>Energy Ant Book.</i> Grades K-3. Explores energy conservation with energy ant in a 30-page book. 1 copy on request.</p> <p><i>The Energy We Use.</i> Grades 1-2. Introduction to energy. Begins with student recognition of common energy forms. Introduces important energy sources such as the sun, wind, water, and fossil fuels.</p> <p><i>Community Workers and the Energy They Use.</i> Grades 2-3. Unit highlights "helpers" who deliver energy, such as the oil deliverer, the gas station attendant, and the meter reader. Also describes the farmer and the banker, whose jobs are closely linked to energy.</p>

**U.S. DEPARTMENT OF ENERGY (Continued)**  
**Technical Information Center**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS
		<p><b><i>Energy and Transportation.</i></b> Grades 3-5.  Uses clarification activities, picture studies, and other developmental approaches to describe transportation in the neighborhood, community, and nation.</p> <p><b><i>Networks: How Energy Links People, Goods, and Services.</i></b> Grades 4-5.  Describes dependence on energy systems. Lessons include making models of electrical systems and naming the interacting parts.</p> <p><b><i>The Energy Dome.</i></b> Grades 4-6.  Social studies unit with 14 lessons. Students look at all aspects of building and operating a domed stadium, an obvious large user of energy. They learn how Americans use energy that rapidly deplete stores of fossil fuels.</p> <p><b><i>Science Activities in Energy.</i></b> Grades 4-6.  Six file-folder units contain simple hands-on science experiments designed to help students learn about forms and sources of energy.</p> <p><b><i>How We Make Energy Work.</i></b> Grades 4-6.  Science study unit with 10 lessons on the technology of energy production. Students learn how raw energy is converted to usable energy in solar, nuclear, and coal conversion systems. Also examines common technologies such as hair dryers and home heating systems.</p> <p><b><i>Bringing Energy to the People: Ghana and the U.S.</i></b> Grades 6-7.  Compares energy use in Ghana and its capital city, Accra, with the Washington, D.C. metropolitan area. Unit considers energy as a basic need and examines it in terms of climate, location, existing and planned power sources, transportation systems, and life styles.</p> <p><b><i>Two Energy Gulfs.</i></b> Grades 6-7.  A comparative study of the energy potential in the Gulf of Mexico and the Persian Gulf. Considers geography, geology, climate, and production technology, as well as the effects of oil production on the cultures of the two regions.</p> <p><b><i>What is Energy?</i></b> Grades 6-11.  Series of four booklets designed for language arts classes. Each booklet has articles on energy topics.</p>

**U.S. DEPARTMENT OF ENERGY (Continued)**  
**Technical Information Center**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS
		<p><b><i>Mathematics in Energy.</i></b> Grades 7-8.  Deals with a wide range of energy problems through the use of basic mathematical processes. Included are fractions, decimals, graphs, conversions, statistics, and the manipulation of energy units such as watts, calories, and joules.</p> <p><b><i>The Energy Future Today.</i></b> Grades 7-9.  10 lessons. Study unit looks at decisions on the use of fossil fuels, conservation, allocation of scarce resources, and development of renewable energy sources. Using concepts of scarcity, tradeoffs, investment, and decision-making, students draw from science and social studies to decide various courses of action for energy supplies and use.</p> <p><b><i>Geothermal Energy.</i></b> Grades 7-9.  File-folder unit with two lessons on geothermal energy. Includes classroom poster and photocopy masters for student worksheets.</p> <p><b><i>Energy, Engines, and the Industrial Revolution.</i></b> Grades 8-9.  Combines social studies and science lessons in a theme common to U.S. history and world geography courses at the junior-high level. Examines inventions and inventors, the relation of energy sources to the growth of cities and industries, and the effects of the industrial revolution. Also looks at energy sources and energy conversions, with special attention given to the heat engine.</p> <p><b><i>Energy Transitions in United States History.</i></b> Grades 8-9.  Charts the growth of American energy use and traces the history of the major sources of energy in the U.S. Examines past interactions between energy users and their environment, and investigates the future of alternative energy technologies.</p> <p><b><i>Transportation and the City.</i></b> Grades 8-9.  Unit relates transportation to energy use. Social studies lessons deal with transportation systems, concepts of efficiency, and the effects of the automobile on the urban community. Science lessons apply supply and demand calculations to oil resources and present some simple experiments which anticipate new transportation technology.</p> <p><b><i>Energy in the Global Marketplace.</i></b> Grades 9-11.  Explores the role of energy in world trade and in the global balance of power. Examines the major energy "haves" and "have-nots." Describes how energy prices are determined.</p>

**U.S. DEPARTMENT OF ENERGY (Continued)**  
**Technical Information Center**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS
		<p><b><i>How a Bill Becomes a Law to Conserve Energy.</i></b> Grades 9-12.  Focuses on the legislative process. Includes a fabricated Citizen's Band (CB) radio conversation, a simulated congressional hearing on the 55 MPH speed limit bill, which was adapted from the actual hearing record, and exercises in graph construction and interpretation.</p> <p><b><i>Agriculture, Energy and Society.</i></b> Grades 10-12.  Packet based on the conviction that an energy/food production crisis is already with us. Presents basic economics of food production, profit and loss, and the law of diminishing returns. Lessons build skills in data analysis, graph interpretation, and an understanding of energy units and their conversions.</p> <p><b><i>Western Coal: Boom or Bust.</i></b> Grade 11.  Investigates energy resources in the West and studies the effects of possible large-scale resource development on the economy, environment, and social structure of the western United States.</p> <p><b><i>U.S. Energy Policy: Which Direction?</i></b> Grades 11-12.  Designed as a companion to the unit "How A Bill Becomes a Law to Conserve Energy" which studies the workings of the legislative branch. This unit concentrates on the administrative arm of government and the various forces that go into formulating a national policy.</p>



**U.S. DEPARTMENT OF ENERGY (Continued)**  
**Technical Information Center**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS
		<p><b>Posters:</b></p> <p><i>He will thank you for conserving energy.</i></p> <p><i>She will thank you for conserving energy.</i></p> <p><i>They will thank you for conserving energy.</i></p> <p><i>There is an Alternative.</i></p> <p><i>Solar/Renewable Energy.</i></p> <p><i>Today We're Doing It</i></p> <p><i>We're doing it, we're saving energy.</i></p> <p><i>How to Get Better Mileage.</i></p> <p><b>To obtain publications:</b></p> <p>Publications available at no charge in quantities of 50 or less. Contact agency. Allow 4-6 weeks for delivery. For information on posters, contact agency.</p>

**U.S. DEPARTMENT OF THE INTERIOR**  
**Bureau of Land Management**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Bureau of Land Management is a division of the U.S. Department of the Interior. It administers mining and land leasing laws on federal lands.</p> <p><b>Contact:</b></p> <p>Bob Webb 222 N. 32nd St. P.O. Box 30157 Billings, MT 59107 657-6474</p>	<p>Does environmental planning and assessment.</p> <p>Issues leases for coal, gas, and geothermal energy resources on federal land.</p>	<p>Environmental impact statements on specific areas.</p> <p><b><i>Energy Mineral Rehabilitation Inventory and Analysis</i></b> (EMRIA). Very technical.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Speakers:</b></p> <p>Available.</p> <p>Topics: coal development, soil characteristics, ground water analysis to determine energy potential of federal lands, and federal land management.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

**U.S. DEPARTMENT OF THE INTERIOR**  
**Bureau of Reclamation**

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Bureau of Reclamation is a federal agency under the Department of the Interior. It is concerned with water resources development and conservation.</p> <p><b>Contact:</b></p> <p>Diane Noennig P.O. Box 2553 Billings, MT 59103 657-6218</p>	<p>Conducts teacher training workshops in conjunction with other federal agencies and the Montana Environmental Education Services Association (MEESA).</p>	<p>Brochures available on multi-purpose uses of water.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Films:</b></p> <p>Available.</p> <p><b>Speakers:</b></p> <p>Available in Billings, Great Falls, and Helena.</p> <p><b>Displays/Exhibits:</b></p> <p>Water resource management simulator used in teacher-training workshops.</p> <p><b>To obtain materials and speakers:</b></p> <p>Contact agency.</p>

**U.S. DEPARTMENT OF THE INTERIOR**  
**U.S. Geological Survey**

<b>GENERAL INFORMATION</b>	<b>ENERGY-RELATED FUNCTIONS</b>	<b>PUBLICATIONS</b>	<b>AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS</b>
<p>The U.S. Geological Survey is a federal agency under the Department of the Interior which conducts surveys, investigations, and research on geology, mineral, and water resources.</p> <p><b>Contact:</b></p> <p>G. M. Pike District Chief Federal Building Drawer 10076 Helena, MT 59626 449-5263</p>	<p>Provides information about water and mineral resources of Montana.</p> <p>Monitors stream flow in Montana.</p> <p>Prepares maps and reports on local coal resources.</p>	<p>Numerous publications available.</p> <p><b>To obtain publications:</b></p> <p>Contact: U.S. Department of Commerce National Technical Information Service. 5285 Port Royal Road Springfield, VA 22161</p>	<p><b>Displays:</b></p> <p>Maps, geological teaching aids available.</p> <p><b>Speakers:</b></p> <p>As available.</p> <p><b>To obtain materials or speakers:</b></p> <p>For maps and teaching aids, contact:</p> <p>Branch of Visual Aids 303 National Center Room B/C-103 12201 Sunrise Valley Dr. Rustin, VA 22092</p> <p>or</p> <p>Rocky Mountain National Cartographic Center U.S.G.S. P.O. Box 25046 DFC Melstrop 504 Denver, CO 80225</p> <p>For speakers, contact local office.</p>

# U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The EPA is a federal agency responsible for insuring compliance with regulations involving air, water, toxic substances, and hazardous waste.</p> <p><b>Contact:</b></p> <p>Ken L. Alkema 301 S. Park Drawer 10096 Federal Building Helena, MT 59626 449-5414</p>	<p>Administers regulations affecting energy development.</p> <p>Issues permits for new sources under the</p> <ul style="list-style-type: none"> <li>• Clean Air Act*</li> <li>• Drinking Water Act</li> <li>• Resource Conservation Act*</li> </ul> <p>*These permitting functions are to be delegated to the Montana Department of Health and Environmental Sciences sometime in 1982.</p>	<p>Documents available on all aspects of environmental contracts, regulations, etc.</p> <p><b>To obtain publications:</b></p> <p>Copies of regulations available upon request. Publications on pollution control available at no cost if extra copies are available. If ordering is necessary, they will be sold at cost.</p>	<p><b>Speakers:</b></p> <p>Available.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

## WESTERN AREA POWER ADMINISTRATION (WAPA)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Western Area Power Administration is a power marketing agency which provides electrical power generated at 46 hydroelectric power plants to over 450 distributors in fifteen western states.</p> <p><b>Contact:</b></p> <p>Jim Davies Billings Area Office Manager P.O. Box EGY, B0000 Billings, MT 59101 657-6532</p>	<p>Provides customers with guidelines for energy conservation.</p>	<p><i>Annual Report.</i></p> <p><i>What is Western?</i></p> <p><i>Energy Transmission for Tomorrow.</i></p> <p><i>Closed Circuit.</i> Employee newsletter.</p> <p><b>To obtain publications:</b></p> <p>Contact agency.</p>	<p><b>Displays:</b></p> <p>Western Exhibit.</p> <p><b>Slide Shows:</b></p> <p>Presentation on Western Area Power Administration.</p> <p>Presentation on Billings Area Office.</p> <p><b>Speakers:</b></p> <p>Available. Topic: transmission and marketing of hydropower.</p> <p><b>To obtain materials or speakers:</b></p> <p>Contact agency.</p>

## WESTERN ENERGY COMPANY (WECO)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Western Energy, a wholly-owned subsidiary of the Montana Power Company, is a fully integrated mining company engaged in the exploration, leasing, development, marketing, and operation of coal and lignite properties. WECO supplies coal to utility companies and is also involved in research.</p> <p><b>Contact:</b></p> <p>William Robinson 107 E. Granite Butte, MT 59701 723-3151</p> <p><b>Tour contact:</b></p> <p>Rich Dale Western Energy Company Colstrip, MT 59323</p>	<p>Provides information about coal development.</p> <p>Gives tours at Colstrip, Montana.</p>		<p><b>Speakers:</b></p> <p>Available on request.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>

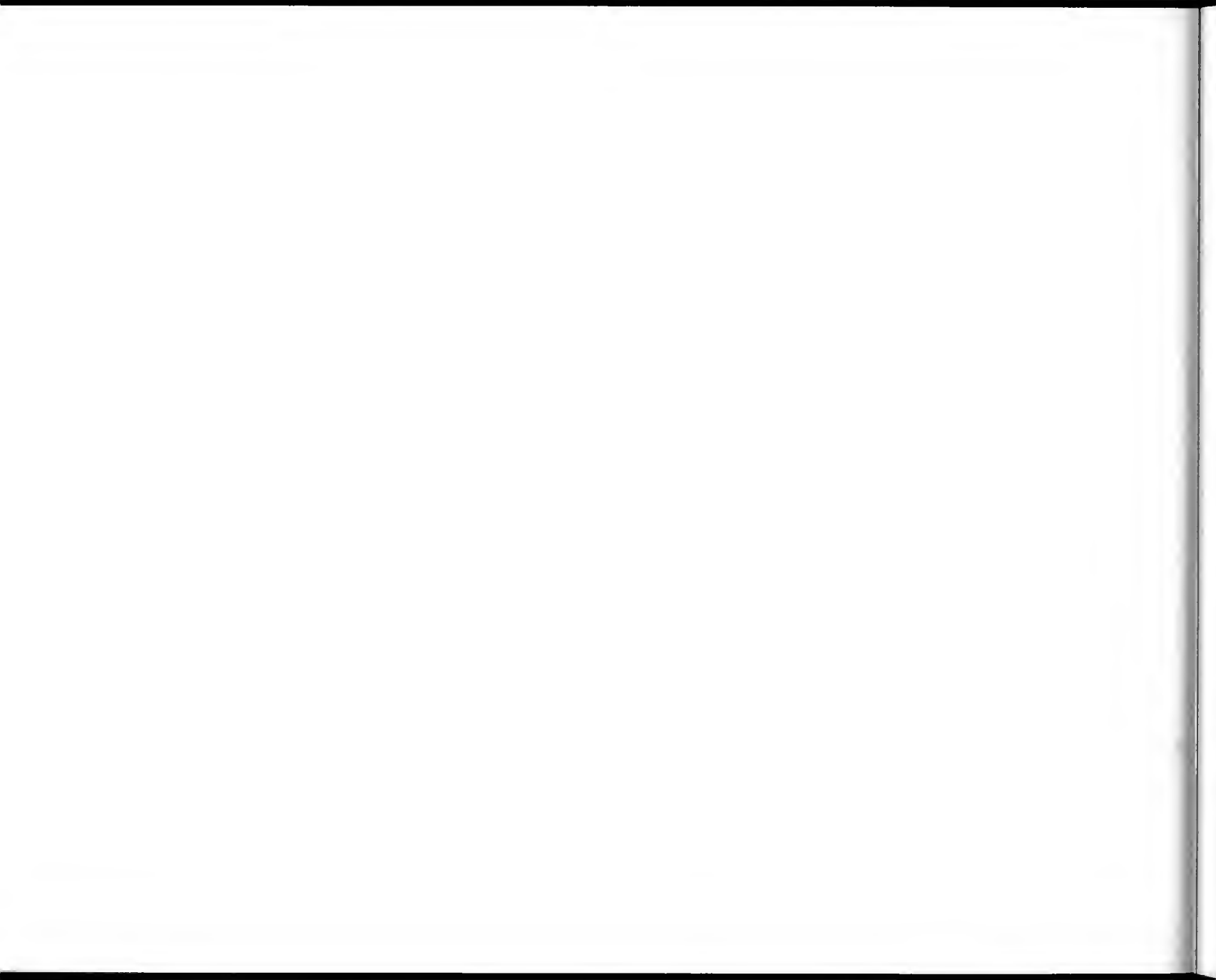
## WESTMORELAND RESOURCES, INC.

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>Westmoreland Resources, Inc., is a coal mining company.</p> <p><b>Contact:</b></p> <p>David W. Simpson P.O. Box 449 Hardin, MT 59034 342-5241</p>	<p>Provides information to the general public through speakers on mine planning, reclamation, and environmental studies.</p> <p>Conducts mine tours.</p>		<p><b>Speakers:</b></p> <p>Available.</p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>



## WOMEN INVOLVED IN FARM ECONOMICS (WIFE)

GENERAL INFORMATION	ENERGY-RELATED FUNCTIONS	PUBLICATIONS	AUDIOVISUAL MATERIALS/SPEAKERS/ DISPLAYS
<p>The Montana WIFE organization is a women's group that works for the promotion of economic prosperity in the agricultural sector.</p> <p><b>Contacts:</b></p> <p>Pat Torgerson Lambert, MT 59243 774-3744</p> <p>Shirley Ball Nashua, MT 59248 785-4731</p> <p>Linda Mielson Nashua, MT 59248 746-3274</p>	<p>Promotes research in and development of gasohol.</p> <p>Offers technical information on small-scale gasohol production.</p> <p>Provides referrals to other agencies or information sources.</p>		<p><b>Speakers:</b></p> <p>Available.</p> <p><b>Demonstrations:</b></p> <p><i>Food and Fuel from Grain.</i></p> <p><i>Making Mash.</i></p> <p><b>To obtain speakers:</b></p> <p>Contact agency.</p>



## APPENDIX A

### FEDERAL SOURCES OF INFORMATION

The following references are national in scope. Those beginning with 800 are toll free. They offer information on energy conservation and renewable resources to state and local governments and to the general public.

Alcohol Fuels. ....	800-525-5000
Conservation and Renewable Energy Inquiry and Referral Service (Operated by Franklin Institute for DOE). ....	800-523-2929
Energy Conservation Product Safety (Operated by Consumer Product Safety Commission). ....	800-638-8326
Energy Data Survey Forms (Operated by DOE). ....	800-424-9041
Low-Cost No-Cost Community Mobilization Campaign (Operated by ACTION Community Energy Office) ....	800-424-8867
Minority Energy Technical Assistance Program (Operated by Center for Urban Environmental Studies, Washington, D.C.) ....	800-424-9591
National Community Energy Management Center (Operated by Academy for Contemporary Problems, Washington, D.C., for DOE, DOT, HUD and seven associations of city, county and state governments) ....	202-638-1445
National Consumer Cooperative Bank (Operated by Coop Bank for incorporated cooperative organizations only). ....	800-424-2481
National Energy Information Center (Operated by EIA) ....	202-252-8800
National Energy Information Center Affiliate — Western Information Center (Operated for EIA) ....	505-846-2375
Ridesharing (Operated by DOT). ....	800-424-9184

## APPENDIX B

### COUNTY EXTENSION AGENTS

John E. Maki  
Beaverhead County  
Box 190  
Dillon, MT 59725  
683-2842

Woodrow A. Ekegren  
Big Horn County  
Drawer F  
Hardin, MT 59034  
665-1405

Wade Crouch  
Blaine County  
Box 519  
Chinook, MT 59523  
357-3200/2359

Robert G. Brastrup  
Broadwater County  
Box 670  
Townsend, MT 59644  
266-3419

Merrylee Vukonich  
Carbon County  
P.O. Drawer F  
Joliet, MT 59041  
962-3545

Joseph W. Morris  
Cascade County  
Box 2284  
Great Falls, MT 59404  
761-6700 ext 295

George H. Erickson  
Chouteau County  
Box 428  
Ft. Benton, MT 59442  
622-3751

Olaf Sherwood  
Custer County  
Courthouse  
Miles City, MT 59301  
232-4781

Jim Schumacher  
Daniels County  
Box 187  
Scobey, MT 59263  
487-2861

Carolyn Dufner  
Dawson County  
Box 811  
Glendive, MT 59330  
365-4277

David Streufert  
Deer Lodge-Powell County  
Box 660  
Deer Lodge, MT 59722  
856-1852

Daniel T. Folske  
Fallon-Carter County  
Box 850  
Baker, MT 59313  
778-2424

J.K. Ross  
Fergus County  
Box 740  
Lewistown, MT 59457  
538-3919/7611

Darel E. Fenner  
Flathead County  
723 5th Ave. East  
Kalispell, MT 59901  
755-5300 ext 202

Gene W. Surber  
Gallatin County  
Room 304, Courthouse  
Bozeman, MT 59715  
586-0271

Lester Guptill  
Garfield County  
Box 81  
Jordan, MT 59337  
557-2770

James Rolleri  
Glacier County  
Courthouse  
Cut Bank, MT 59427  
873-2382

Lyle Niederklein  
Granite County  
Box 665  
Phillipsburg, MT 59858  
859-3292

Gregg R. Carlson  
Hill County  
Courthouse  
Havre, MT 59501  
265-5481 ext 52/53

Clinton F. Peck  
Judith Basin County  
Box 427  
Stanford, MT 59479  
566-2210

G. Edward Bratton  
Lake County  
Box 0  
Ronan, MT 59864  
676-4271

Laurence Hoffman  
Lewis & Clark County  
Box 855  
Helena, MT 59601  
443-1010 ext 346

Judee Wargo  
Liberty County  
Box 607  
Chester, MT 59522  
759-5625

Robert E. Wilson  
Lincoln County  
418 Mineral Avenue  
Libby, MT 59923  
293-7781 ext 211/212

## APPENDIX B (Continued)

Merla Lyda  
Madison-Jefferson County  
Box B  
Whitehall, MT 59759  
287-3282

Nels E. Boe  
McCone County  
Box 200  
Circle, MT 59215  
485-2605

Wilfred Huot  
Mineral County  
Box 730  
Superior, MT 59872  
822-4561

Gerald W. Marks  
Missoula County  
301 W. Alder  
Missoula, MT 59801  
721-5700  
ext 300/301/302/303/304

Darryld J. Kautzmann  
Musselshell-Golden  
Valley County  
Box 128  
Roundup, MT 59072  
323-2704

Martin C. Malone  
Park County  
414 E. Callender  
Livingston, MT 59047  
222-6120 ext 242/243/244

R. Dana Strobel  
Phillips County  
Box 430  
Malta, MT 59538  
654-2543

John R. Baringer  
Pondera County  
20 4th Ave. S.W.  
Conrad, MT 59425  
278-3121

Cal Miller  
Powder River County  
Box 1  
Broadus, MT 59317  
436-2424

Pam Sparks  
Prairie County  
Box 7  
Terry, MT 59349  
637-5786

G. Robert Johnson  
Ravalli County  
Courthouse, Box 5009  
Hamilton, MT 59840  
363-2044

Carol Tarnavsky  
Richland County  
Box 1028  
Sidney, MT 59047  
482-1206/1216

Dorothy Hofman  
Roosevelt County  
Box 416  
Culbertson, MT 59218  
787-5321

Kathryn Stevenson  
Rosebud-Treasure County  
Box 65  
Forsyth, MT 59327  
356-7320

Donald J. Nicholson  
Sanders County  
Box 189  
Thompson Falls, MT 59873  
827-3532

Terry Angvick  
Sheridan County  
Courthouse  
Plentywood, MT 59254  
765-1020

Alan Knudsen  
Silver Bow County  
Courthouse  
Butte, MT 59701  
792-0496 ext 226/229

Charles E. Egan  
Stillwater County  
Box 807  
Columbus, MT 59019  
322-5334

Olaf J. Brekke  
Sweet Grass County  
Box 640  
Big Timber, MT 59011  
932-2445

William R. Richter  
Teton County  
Box 130  
Choteau, MT 59422  
466-2491/2942

J. Henry Olsen  
Teton County  
Box 247  
Fairfield, MT 59436  
467-2344

Lorna Loeffler  
Toole County  
Courthouse  
Shelby, MT 59474  
434-5351

Verlin E. Koenig  
Valley County  
Box 991  
Glasgow, MT 59230  
228-2456

Wibaux County  
Box 345  
Wibaux, MT 59353  
795-2432

John E. Ranney  
Yellowstone County  
Room 202, Courthouse  
Billings, MT 59101  
252-5181 ext 344

## APPENDIX C

### MONTANA POWER CONSUMER SERVICES MANAGERS

James A. Kaufman  
Consumer Services Manager  
The Montana Power Company  
P.O. Box 2538  
Billings, MT 59103  
252-0591

Lynn M. Martin  
Consumer Services Manager  
The Montana Power Company  
P.O. Box 490  
Bozeman, MT 59715  
586-1331

Harry A. Miller  
Consumer Services Manager  
The Montana Power Company  
2100 Harrison Avenue  
Butte, MT 59701  
723-5421

Pat Leary  
Consumer Services Manager  
The Montana Power Company  
P.O. Box 591  
Great Falls, MT 59401  
453-0321

Earl H. Conver  
Consumer Services Manager  
The Montana Power Company  
P.O. Box 5329  
Helena, MT 59601  
442-4610

Joe Drouillard  
Consumer Services Supervisor  
The Montana Power Company  
P.O. Drawer 430  
Kalispell, MT 59901  
755-7186

Max Russell  
Consumer Services Supervisor  
The Montana Power Company  
P.O. Box 191  
Havre, MT 59501  
265-7876

Gary Willis  
Consumer Services Coordinator  
The Montana Power Company  
P.O. Box 1100  
Lewistown, MT 59457  
538-5415

Don Mourich  
Consumer Services Manager  
The Montana Power Company  
PO Box 4467  
Missoula, MT 59806  
549-2301

## APPENDIX D

### RURAL ELECTRIC COOPERATIVES

Rural Electric Cooperatives (RECs) supply electric power to localities throughout Montana. Most offer energy audit programs for residences. Some have educational programs for consumers and students. Contact your local REC for more information.

Raymond Hyvonen, Manager  
Beartooth Electric Co-op, Inc.  
Red Lodge, MT 59068  
446-2310

George R. Hoynes, Manager  
Big Flat Electric Co-op, Inc.  
P.O. Box H  
Malta, MT 59538  
654-2040

Duane Portwood, Manager  
Big Horn County Electric Co-op, Inc.  
P.O. Box AE  
Lodge Grass, MT 59050  
639-2341

Richard Peck, Manager  
Fergus Electric Co-op, Inc.  
Box 58  
Lewistown, MT 59457  
538-3465

H.L. Helgeson, Manager  
Flathead Electric Co-op, Inc.  
510 LaSalle Road  
Kalispell, MT 59901  
755-5483

N. H. Nernmyr, Manager  
Glacier Electric Co-op, Inc.  
P.O. Box 358  
Cut Bank, MT 59427  
873-5566

Marvin Robinson, Manager  
Goldenwest Electric Co-op, Inc.  
Box 245  
Wibaux, MT 59353  
795-2423

Harold C. Ebaugh, General Manager  
Hill County Electric Co-op, Inc.  
Box 430  
Havre, MT 59501  
265-7808

Melvin Miller, Manager  
Lincoln Electric Co-op, Inc.  
Box 628  
Eureka, MT 59917  
296-2511

Verne F. Roland, Manager  
Lower Yellowstone REA, Inc.  
P.O. Box 951  
Sidney, MT 59270  
482-1602

Larry L. Nelson, Manager  
Marias River Electric Co-op, Inc.  
P.O. Box 729  
Shelby, MT 59474  
434-5575

Charls E. Lyndes, Manager  
Mid-Yellowstone Co-op, Inc.  
Box 386  
Hysham, MT 59038  
342-5521

Leo Hansen, Manager  
Missoula Electric Co-op, Inc.  
1950 West Sherwood  
Missoula, MT 59801  
549-6115

Eugene J. Schuld, Manager  
McCone Electric Co-op, Inc.  
P.O. Box 368  
Circle, MT 59215  
485-3430

Leslie Pettit, Manager  
Northern Electric Cooperative  
P.O. Box 287  
Opheim, MT 59250  
762-3352

## APPENDIX D (Continued)

William T. Nordeen, Manager  
Northern Lights, Inc.  
1423 Dover Highway  
P.O. Box 310  
Sandpoint, ID 83864  
(208) 263-5141

Rodney Siring, Manager  
Park Electric Co-op, Inc.  
Box 908  
Livingston, MT 59047  
222-3100

Richard Hork, Manager  
Ravalli County Electric Co-op, Inc.  
Corvallis, MT 59828  
961-3001

George M. Donaldson, Manager  
Sheridan Electric Co-op, Inc.  
P.O. Box 227  
Medicine Lake, MT 59247  
789-2231

Vernon L. Emery, Manager  
Southeast Electric Co-op, Inc.  
Box 368  
Ekalaka, MT 59324  
775-8762

Rodney K. Hanson  
Sun River Electric Co-op, Inc.  
Box 217  
Fairfield, MT 59436  
467-2526

James A. Richards, Manager  
Tongue River Electric Co-op, Inc.  
P.O. Box 138  
Ashland, MT 59003  
784-2341

James Follensbee, Manager  
Upper Missouri G&T Co-op  
705 Lincoln Lane  
Billings, MT 59101  
248-7936

William Heit, Manager  
Upper Missouri G&T Co-op  
P.O. Box 1069  
Sidney, MT 59270  
482-4100

Kenneth H. Berreth, Manager  
Valley Electric Co-op, Inc.  
P.O. Box 392  
Glasgow, MT 59230  
228-9351

Wilbur Anderson, Manager  
Vigilante Electric Co-op, Inc.  
P.O. Box 71  
Dillon, MT 59725  
683-2327

James V. Pope, Acting Manager  
Yellowstone Valley Electric Co-op, Inc.  
P.O. Box 8  
Huntley, MT 59037  
348-3411



## APPENDIX E

### SPECIAL PROJECT CONTACTS

These agencies have no materials prepared for classroom use but may be of assistance for special projects.

Beartooth Mine:

Joe Rawlings  
310 Securities  
Billings, MT 59101  
252-1095

Coal Creek Company:

Bob Schmidt  
P.O. Box 145  
Ashland, MT 59003  
784-2356

Decker Coal Company:

Jack Reed  
Chief Reclamation Engineer  
P.O. Box 746  
Sheridan, WY 82801  
307-672-3401  
(Located at Decker, MT)

Divide Coal Company:

Jack and Victor Carlson  
Box 342  
Roundup, MT 59072  
323-1646

Highway and Traffic Safety Division:

1429 9th Avenue  
Helena, MT 59601

## APPENDIX E (Continued)

Knife River Coal Mining Company:

Curtis L. Blohm  
Reclamation Biologist  
P.O. Box 1357  
Bismarck, ND 58501  
701-223-1771  
(Located at Savage, MT)

Montana Petroleum Association:

1802 11th Avenue  
Helena, MT 59601

Peabody Coal Company:

Larry Fox, Superintendent  
Peabody Coal Company  
P.O. Box 97  
Colstrip, MT 59323  
748-2321

P.M. Coal Company

George and Paul Meged  
Goulding Creek Route  
Roundup, MT 59072  
323-1131

Western Environmental Trade Association

1804 11th Avenue  
Helena, MT 59601

Westmoreland Coal Company

David W. Simpson  
Environmental Administrator  
P.O. Box 449  
Hardin, MT 59034  
342-5241

## APPENDIX F

### HUMAN RESOURCE DEVELOPMENT COUNCILS

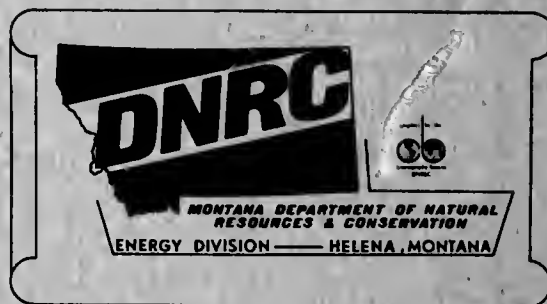
Glendive	Action for Eastern Montana ..... 365-3364 306 North Kendricks 59330
Havre	District IV HRDC ..... 265-6744 Box 1509 59501
Great Falls	Opportunities, Inc. .... 761-0310 Box 2532 59401
Roundup	Central Montana District VI HRDC ..... 323-2547 Box 302 59072
Billings	District VII HRDC ..... 248-7477 2518 First Ave. North 59101
Helena	Rocky Mountain Development Council ..... 442-1522 Box 721 59624
Bozeman	District IX HRDC ..... 587-4486 317 East Mendenhall 59715
Kalispell	Northwest Montana Resource Council. .... 755-1567 Box 1058 59901
Missoula	District XI HRDC ..... 728-3710 297 East Main 59801
Butte	Butte-Silver Bow Anti-Poverty Council ..... 792-7200 Box 3486 59701

## APPENDIX G

### LISTING OF ENTRIES BY SUBORDINATE AGENCY

Audiovisual Library .....	Office of Public Instruction.....
Building Codes Division .....	Montana Department of Administration.....
Bureau of Land Management .....	U.S. Department of Interior.....
Bureau of Reclamation .....	U.S. Department of Interior.....
Department of Geology .....	University of Montana.....
Economic Assistance Division .....	Montana Department of Social and Rehabilitation Services.....
Energy Division .....	Montana Department of Natural Resources and Conservation.....
Environmental Library .....	University of Montana.....
Farmers Home Administration .....	U.S. Department of Agriculture.....
Montana Water Resources Research Center.....	Montana State University.....
Occupational Health Bureau.....	Montana Department of Health and Environmental Sciences.....
Research and Information Bureau .....	Montana Department of Revenue.....
Science-Math Resource Center .....	Montana State University.....
Solid Waste Management Bureau .....	Montana Department of Health and Environmental Sciences.....
Technical Information Center.....	U.S. Department of Energy.....
U.S. Geological Survey.....	U.S. Department of Interior.....
Water Quality Bureau.....	Montana Department of Health and Environmental Sciences.....
Water Resources Division .....	Montana Department of Natural Resources and Conservation.....





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